

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN200073     | HPY101000       | 41%      | 97.7%          | 89.4%            |
| KPN200073     | KPN300127       | 100%     | 20.3%          | 100%             |
| KPN200073     | KPN304917       | 100%     | 100%           | 100%             |
| KPN200073     | LPN101924       | 34%      | 91.7%          | 88.7%            |
| KPN200073     | PAE204976       | 48%      | 97.9%          | 96.8%            |
| KPN200073     | PPU109706       | 57%      | 97.0%          | 95.2%            |
| KPN200073     | SMU100962       | 54%      | 96.6%          | 98.7%            |
| KPN200459     | ABA100405       | 36%      | 97.7%          | 97.0%            |
| KPN200459     | BCE101176       | 44%      | 97.7%          | 89.5%            |
| KPN200459     | BCE115062       | 45%      | 98.7%          | 95.9%            |
| KPN200459     | BFU107135       | 46%      | 97.3%          | 94.5%            |
| KPN200459     | BMA104937       | 45%      | 98.7%          | 95.2%            |
| KPN200459     | CDF103274       | 24%      | 65.4%          | 39.1%            |
| KPN200459     | EBC100664       | 71%      | 90.6%          | 99.6%            |
| KPN200459     | EFA202080       | 22%      | 71.5%          | 59.3%            |
| KPN200459     | ECO101614       | 64%      | 99.3%          | 94.3%            |
| KPN200459     | KPN301023       | 99%      | 100%           | 100%             |
| KPN200459     | PAE202428       | 43%      | 97.0%          | 91.0%            |
| KPN200459     | PPU109972       | 42%      | 96.3%          | 94.8%            |
| KPN200459     | PSY101352       | 56%      | 13.1%          | 88.6%            |
| KPN200459     | PSY101350       | 47%      | 98.7%          | 97.6%            |
| KPN200459     | SPA102318       | 68%      | 99.3%          | 85.5%            |
| KPN200459     | STY100593       | 68%      | 99.3%          | 97.6%            |
| KPN200460     | EBC100663       | 76%      | 92.3%          | 92.3%            |
| KPN200460     | ECO101613       | 76%      | 100%           | 100%             |
| KPN200460     | KPN301024       | 98%      | 100%           | 100%             |
| KPN200460     | PAE201229       | 36%      | 64.1%          | 76.9%            |
| KPN200460     | SPA102319       | 73%      | 100%           | 97.5%            |
| KPN200460     | STY100591       | 73%      | 100%           | 100%             |
| KPN201086     | ABA103925       | 53%      | 99.2%          | 99.8%            |
| KPN201086     | BAN104708       | 35%      | 67.6%          | 94.9%            |
| KPN201086     | BAN102313       | 37%      | 69.2%          | 92.9%            |
| KPN201086     | BFR10840        | 30%      | 67.8%          | 89.5%            |
| KPN201086     | BPT100246       | 51%      | 99.8%          | 100%             |
| KPN201086     | BBU100799       | 27%      | 78.5%          | 79.5%            |
| KPN201086     | BCE107342       | 50%      | 99.2%          | 99.8%            |
| KPN201086     | BFU100866       | 50%      | 99.2%          | 99.8%            |
| KPN201086     | BMA107734       | 51%      | 99.2%          | 99.8%            |
| KPN201086     | CJU100425       | 28%      | 69.2%          | 94.2%            |
| KPN201086     | CPN200435       | 30%      | 95.1%          | 99.8%            |
| KPN201086     | CTR200366       | 30%      | 92.5%          | 98.6%            |
| KPN201086     | CAC100279       | 36%      | 71.3%          | 99.7%            |
| KPN201086     | CBO102108       | 36%      | 72.1%          | 77.7%            |
| KPN201086     | CDF102471       | 36%      | 77.3%          | 98.4%            |
| KPN201086     | CDP100481       | 30%      | 68.2%          | 98.5%            |
| KPN201086     | EBC101239       | 94%      | 99.2%          | 100%             |
| KPN201086     | EFA200624       | 35%      | 78.9%          | 100%             |
| KPN201086     | EFM201833       | 37%      | 75.1%          | 96.7%            |
| KPN201086     | ECO103101       | 95%      | 100%           | 100%             |
| KPN201086     | HIN101251       | 72%      | 99.8%          | 100%             |
| KPN201086     | HPY101493       | 26%      | 70.6%          | 95.2%            |
| KPN201086     | KPN300994       | 99%      | 100%           | 100%             |
| KPN201086     | LPN100039       | 60%      | 99.2%          | 99.8%            |
| KPN201086     | LMO100131       | 39%      | 68.2%          | 90.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN201086     | MCA100801       | 47%      | 99.2%          | 99.8%            |
| KPN201086     | MAV103287       | 29%      | 38.3%          | 94.6%            |
| KPN201086     | MBV103220       | 35%      | 67.2%          | 91.9%            |
| KPN201086     | MLP100955       | 33%      | 70.6%          | 96.8%            |
| KPN201086     | MTU202803       | 35%      | 67.2%          | 91.9%            |
| KPN201086     | MGE100143       | 28%      | 71.3%          | 67.6%            |
| KPN201086     | MPN100677       | 27%      | 70.0%          | 65.4%            |
| KPN201086     | NGO101492       | 47%      | 99.0%          | 99.8%            |
| KPN201086     | NME201747       | 47%      | 99.8%          | 98.8%            |
| KPN201086     | PMU100760       | 74%      | 99.6%          | 100%             |
| KPN201086     | PRT102427       | 85%      | 100%           | 100%             |
| KPN201086     | PAE204741       | 64%      | 99.2%          | 99.8%            |
| KPN201086     | PPU108490       | 63%      | 89.9%          | 99.8%            |
| KPN201086     | PSY104834       | 63%      | 99.2%          | 99.8%            |
| KPN201086     | SPA101734       | 88%      | 100%           | 100%             |
| KPN201086     | STY101474       | 93%      | 100%           | 100%             |
| KPN201086     | SAU801266       | 38%      | 69.0%          | 87.2%            |
| KPN201086     | SEP201559       | 37%      | 77.5%          | 94.8%            |
| KPN201086     | SHA101153       | 40%      | 69.0%          | 90.2%            |
| KPN201086     | SMU100777       | 34%      | 69.6%          | 90.4%            |
| KPN201086     | SPN400478       | 32%      | 70.6%          | 96.3%            |
| KPN201086     | SPY201324       | 33%      | 70.6%          | 95.3%            |
| KPN201086     | TPA100882       | 29%      | 84.2%          | 88.5%            |
| KPN201086     | UUR100320       | 28%      | 66.2%          | 77.1%            |
| KPN201086     | VCH100630       | 78%      | 100%           | 100%             |
| KPN201086     | YPS001052       | 89%      | 100%           | 100%             |
| KPN201087     | ABA104593       | 50%      | 99.9%          | 100%             |
| KPN201087     | BAN113310       | 36%      | 74.9%          | 97.4%            |
| KPN201087     | BAN110029       | 48%      | 76.3%          | 99.4%            |
| KPN201087     | BFR11714        | 42%      | 91.1%          | 85.4%            |
| KPN201087     | BPT100248       | 49%      | 91.9%          | 99.3%            |
| KPN201087     | BBU100800       | 43%      | 73.8%          | 73.4%            |
| KPN201087     | BCE101969       | 54%      | 86.3%          | 100%             |
| KPN201087     | BFU100867       | 49%      | 99.9%          | 100%             |
| KPN201087     | BMA109716       | 50%      | 99.3%          | 100%             |
| KPN201087     | CJU100125       | 41%      | 91.1%          | 93.1%            |
| KPN201087     | CPN200434       | 35%      | 90.6%          | 93.8%            |
| KPN201087     | CTR200365       | 32%      | 97.4%          | 96.7%            |
| KPN201087     | CAC100425       | 53%      | 64.5%          | 84.4%            |
| KPN201087     | CBO103185       | 48%      | 74.0%          | 94.1%            |
| KPN201087     | CDF102888       | 53%      | 64.7%          | 90.6%            |
| KPN201087     | CDP100479       | 50%      | 63.8%          | 96.5%            |
| KPN201087     | EBC101431       | 94%      | 96.0%          | 99.9%            |
| KPN201087     | EFA200621       | 44%      | 80.2%          | 92.5%            |
| KPN201087     | EFM201052       | 45%      | 81.1%          | 98.2%            |
| KPN201087     | ECO103100       | 93%      | 99.9%          | 99.9%            |
| KPN201087     | HIN101252       | 69%      | 93.8%          | 99.0%            |
| KPN201087     | HPY101031       | 37%      | 95.8%          | 88.6%            |
| KPN201087     | KPN301426       | 99%      | 15.0%          | 29.0%            |
| KPN201087     | LPN102343       | 71%      | 48.7%          | 100%             |
| KPN201087     | LMO100282       | 45%      | 86.5%          | 99.4%            |
| KPN201087     | MCA100802       | 50%      | 92.9%          | 98.3%            |
| KPN201087     | MAV100286       | 48%      | 64.3%          | 97.5%            |
| KPN201087     | MBV104310       | 49%      | 48.5%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN201087     | MLP100953       | 44%      | 71.7%          | 71.9%            |
| KPN201087     | MTU202801       | 44%      | 71.7%          | 73%              |
| KPN201087     | MGE100144       | 42%      | 63.2%          | 91.4%            |
| KPN201087     | MPN100676       | 41%      | 66.5%          | 96.6%            |
| KPN201087     | NGO101494       | 51%      | 89.2%          | 99.9%            |
| KPN201087     | NME201748       | 47%      | 99.9%          | 100%             |
| KPN201087     | PMU100759       | 70%      | 17.2%          | 26.7%            |
| KPN201087     | PRT102425       | 77%      | 100%           | 100%             |
| KPN201087     | PAE204740       | 57%      | 99.9%          | 100%             |
| KPN201087     | PPU108488       | 56%      | 99.9%          | 100%             |
| KPN201087     | PSY104832       | 68%      | 61.8%          | 100%             |
| KPN201087     | SPA101256       | 92%      | 51.7%          | 100%             |
| KPN201087     | STY101473       | 94%      | 99.9%          | 99.9%            |
| KPN201087     | SAU801269       | 48%      | 78.2%          | 99.9%            |
| KPN201087     | SEP201562       | 47%      | 81.1%          | 99.7%            |
| KPN201087     | SHA100514       | 46%      | 78.8%          | 99.4%            |
| KPN201087     | SMU100784       | 38%      | 94.1%          | 96.6%            |
| KPN201087     | SPN400481       | 40%      | 93.5%          | 93.3%            |
| KPN201087     | SPY201321       | 39%      | 95.5%          | 85.6%            |
| KPN201087     | TPA100881       | 47%      | 71.8%          | 80.8%            |
| KPN201087     | UUR100322       | 44%      | 64.1%          | 93.3%            |
| KPN201087     | VCH100631       | 71%      | 100%           | 100%             |
| KPN201087     | YPS001051       | 82%      | 99.9%          | 99.9%            |
| KPN201549     | ABA105528       | 71%      | 59.8%          | 100%             |
| KPN201549     | ABA106151       | 74%      | 63.1%          | 100%             |
| KPN201549     | ABA105551       | 84%      | 91.8%          | 100%             |
| KPN201549     | ABA101831       | 85%      | 100%           | 100%             |
| KPN201549     | BAN100346       | 69%      | 76.2%          | 96.9%            |
| KPN201549     | BAN101836       | 75%      | 98.4%          | 100%             |
| KPN201549     | BAN105253       | 76%      | 100%           | 100%             |
| KPN201549     | BAN103157       | 76%      | 100%           | 100%             |
| KPN201549     | BAN103430       | 76%      | 100%           | 100%             |
| KPN201549     | BAN100749       | 76%      | 100%           | 100%             |
| KPN201549     | BAN106478       | 76%      | 100%           | 100%             |
| KPN201549     | BAN104535       | 76%      | 100%           | 100%             |
| KPN201549     | BAN100304       | 76%      | 100%           | 100%             |
| KPN201549     | BAN103959       | 76%      | 100%           | 100%             |
| KPN201549     | BAN106892       | 76%      | 100%           | 100%             |
| KPN201549     | BAN112264       | 76%      | 100%           | 100%             |
| KPN201549     | BAN105419       | 76%      | 100%           | 100%             |
| KPN201549     | BFR105579       | 72%      | 100%           | 100%             |
| KPN201549     | BFR103235       | 72%      | 100%           | 100%             |
| KPN201549     | BPT103416       | 100%     | 34.4%          | 27.3%            |
| KPN201549     | BPT104523       | 100%     | 34.4%          | 27.3%            |
| KPN201549     | BPT103989       | 100%     | 34.4%          | 27.3%            |
| KPN201549     | BCE110368       | 76%      | 51.6%          | 100%             |
| KPN201549     | BCE109830       | 82%      | 55.7%          | 98.6%            |
| KPN201549     | BCE114555       | 80%      | 94.3%          | 100%             |
| KPN201549     | BCE115125       | 85%      | 100%           | 100%             |
| KPN201549     | BMA101414       | 83%      | 100%           | 100%             |
| KPN201549     | CTR200114       | 72%      | 100%           | 100%             |
| KPN201549     | CBO100841       | 69%      | 59.0%          | 100%             |
| KPN201549     | CBO103821       | 72%      | 85.2%          | 100%             |
| KPN201549     | CBO102961       | 72%      | 91.8%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN201549     | CBO102777       | 72%      | 100%           | 100%             |
| KPN201549     | CBO100139       | 72%      | 100%           | 100%             |
| KPN201549     | CBO102075       | 72%      | 100%           | 100%             |
| KPN201549     | CBO101355       | 72%      | 100%           | 100%             |
| KPN201549     | CDF100014       | 71%      | 78.7%          | 100%             |
| KPN201549     | CDF102596       | 70%      | 100%           | 100%             |
| KPN201549     | CDF100358       | 74%      | 100%           | 100%             |
| KPN201549     | CDF102023       | 74%      | 100%           | 100%             |
| KPN201549     | CDF101174       | 75%      | 100%           | 100%             |
| KPN201549     | CDF100271       | 74%      | 100%           | 100%             |
| KPN201549     | CDF102190       | 74%      | 100%           | 100%             |
| KPN201549     | CDF100009       | 74%      | 100%           | 100%             |
| KPN201549     | CDF101049       | 74%      | 100%           | 100%             |
| KPN201549     | CDF100125       | 75%      | 100%           | 100%             |
| KPN201549     | CDP100750       | 66%      | 100%           | 100%             |
| KPN201549     | CDP100008       | 66%      | 100%           | 100%             |
| KPN201549     | CDP101025       | 66%      | 100%           | 100%             |
| KPN201549     | CDP101470       | 66%      | 100%           | 100%             |
| KPN201549     | CDP101508       | 66%      | 100%           | 100%             |
| KPN201549     | EBC104695       | 98%      | 41.0%          | 100%             |
| KPN201549     | EBC104708       | 99%      | 100%           | 100%             |
| KPN201549     | EFA203112       | 71%      | 100%           | 100%             |
| KPN201549     | EFA201542       | 71%      | 100%           | 100%             |
| KPN201549     | EFA203085       | 71%      | 100%           | 100%             |
| KPN201549     | EFA202786       | 71%      | 100%           | 100%             |
| KPN201549     | EFM102382       | 71%      | 100%           | 100%             |
| KPN201549     | KPN300847       | 96%      | 78.7%          | 100%             |
| KPN201549     | KPN300969       | 93%      | 78.7%          | 100%             |
| KPN201549     | KPN301056       | 100%     | 64.8%          | 100%             |
| KPN201549     | KPN302967       | 100%     | 100%           | 100%             |
| KPN201549     | LPN102481       | 90%      | 100%           | 100%             |
| KPN201549     | MCA102101       | 86%      | 100%           | 100%             |
| KPN201549     | MBV100203       | 66%      | 100%           | 100%             |
| KPN201549     | NGO100484       | 82%      | 100%           | 100%             |
| KPN201549     | NGO101737       | 85%      | 100%           | 56.5%            |
| KPN201549     | NGO100413       | 85%      | 100%           | 56.5%            |
| KPN201549     | NGO101926       | 85%      | 100%           | 56.5%            |
| KPN201549     | NME103001       | 86%      | 100%           | 100%             |
| KPN201549     | PRT103668       | 91%      | 71.3%          | 100%             |
| KPN201549     | PRT103667       | 92%      | 95.1%          | 100%             |
| KPN201549     | PRT103665       | 94%      | 100%           | 100%             |
| KPN201549     | PAE107214       | 88%      | 100%           | 100%             |
| KPN201549     | PPU102385       | 89%      | 100%           | 100%             |
| KPN201549     | PPU100406       | 89%      | 100%           | 100%             |
| KPN201549     | PPU101099       | 89%      | 100%           | 100%             |
| KPN201549     | PPU106991       | 89%      | 100%           | 100%             |
| KPN201549     | PPU112044       | 89%      | 100%           | 100%             |
| KPN201549     | PPU109454       | 89%      | 100%           | 100%             |
| KPN201549     | PPU109508       | 89%      | 100%           | 100%             |
| KPN201549     | PSY106628       | 84%      | 67.2%          | 100%             |
| KPN201549     | PSY106991       | 88%      | 100%           | 100%             |
| KPN201549     | PSY107666       | 88%      | 100%           | 100%             |
| KPN201549     | PSY101542       | 88%      | 100%           | 100%             |
| KPN201549     | SPA101643       | 98%      | 72.1%          | 100%             |



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|---------------|-----------------|----------|----------------|------------------|
| KPN201549     | SPA103885       | 98%      | 100%           | 100%             |
| KPN201549     | SPA103853       | 99%      | 100%           | 100%             |
| KPN201549     | SAU302874       | 75%      | 100%           | 100%             |
| KPN201549     | SAU302816       | 75%      | 100%           | 100%             |
| KPN201549     | SAU302683       | 69%      | 59.8%          | 62.4%            |
| KPN201549     | SAU302807       | 75%      | 100%           | 100%             |
| KPN201549     | SAU301432       | 75%      | 100%           | 100%             |
| KPN201549     | SAU302626       | 75%      | 100%           | 100%             |
| KPN201549     | SEP201860       | 75%      | 100%           | 100%             |
| KPN201549     | SEP200476       | 75%      | 100%           | 100%             |
| KPN201549     | SEP201305       | 75%      | 100%           | 100%             |
| KPN201549     | SEP201812       | 75%      | 100%           | 100%             |
| KPN201549     | SEP201970       | 75%      | 100%           | 100%             |
| KPN201549     | SEP201855       | 75%      | 100%           | 100%             |
| KPN201549     | SHA102684       | 65%      | 45.1%          | 100%             |
| KPN201549     | SHA102720       | 75%      | 100%           | 100%             |
| KPN201549     | SMU101912       | 72%      | 100%           | 100%             |
| KPN201549     | SMU100576       | 72%      | 100%           | 100%             |
| KPN201549     | SMU101953       | 72%      | 100%           | 100%             |
| KPN201549     | SMU101883       | 72%      | 100%           | 100%             |
| KPN201549     | SMU101949       | 72%      | 100%           | 100%             |
| KPN201549     | SPN103672       | 68%      | 54.1%          | 100%             |
| KPN201549     | SPN102832       | 73%      | 100%           | 100%             |
| KPN201549     | SPY102630       | 74%      | 100%           | 100%             |
| KPN201990     | ABA101037       | 47%      | 98.5%          | 95.0%            |
| KPN201990     | BAN110655       | 30%      | 86.1%          | 87.1%            |
| KPN201990     | BAN109519       | 31%      | 86.1%          | 86.0%            |
| KPN201990     | BPT102754       | 25%      | 71.4%          | 76.8%            |
| KPN201990     | BCE107805       | 24%      | 78.5%          | 86.7%            |
| KPN201990     | BFU111761       | 25%      | 78.8%          | 87.0%            |
| KPN201990     | BMA100169       | 24%      | 78.5%          | 86.7%            |
| KPN201990     | CPN200483       | 24%      | 53.1%          | 54.5%            |
| KPN201990     | CTR200408       | 28%      | 51.9%          | 54.9%            |
| KPN201990     | CBO101374       | 32%      | 77.6%          | 76.1%            |
| KPN201990     | CDF104179       | 28%      | 88.8%          | 83.3%            |
| KPN201990     | CDF100985       | 30%      | 89.1%          | 90.4%            |
| KPN201990     | KPN303124       | 99%      | 100%           | 89.7%            |
| KPN201990     | LMO100346       | 32%      | 76.7%          | 81.8%            |
| KPN201990     | PAE205391       | 24%      | 78.5%          | 86.2%            |
| KPN201990     | PPU107507       | 24%      | 78.5%          | 86.2%            |
| KPN201990     | PSY103787       | 26%      | 76.1%          | 81.8%            |
| KPN203025     | BAN101606       | 24%      | 26.5%          | 27.8%            |
| KPN203025     | BAN106218       | 28%      | 38.9%          | 39.2%            |
| KPN203025     | BCE109617       | 29%      | 90.2%          | 92.1%            |
| KPN203025     | BFU109459       | 29%      | 94.6%          | 95.9%            |
| KPN203025     | BMA106949       | 29%      | 96.7%          | 98.6%            |
| KPN203025     | EBC101952       | 77%      | 90.4%          | 96.0%            |
| KPN203025     | KPN304247       | 99%      | 90.9%          | 95.8%            |
| KPN203025     | MAV105607       | 39%      | 96.5%          | 94.8%            |
| KPN203025     | MBV101047       | 35%      | 89.5%          | 92.1%            |
| KPN203025     | MTU202420       | 35%      | 89.5%          | 92.1%            |
| KPN203025     | PSY105004       | 37%      | 84.1%          | 92.6%            |
| KPN203025     | SPA102134       | 22%      | 81.3%          | 72.4%            |
| KPN203025     | STY100889       | 22%      | 81.3%          | 77.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN203084     | ABA105739       | 60%      | 93.6%          | 98.8%            |
| KPN203084     | BAN112576       | 33%      | 91.9%          | 98.1%            |
| KPN203084     | BAN101552       | 40%      | 92.5%          | 94.1%            |
| KPN203084     | BFR103117       | 28%      | 87.9%          | 82.3%            |
| KPN203084     | BPT102556       | 57%      | 94.2%          | 99.4%            |
| KPN203084     | BCE113712       | 58%      | 96.5%          | 94.9%            |
| KPN203084     | BFU106342       | 58%      | 94.2%          | 99.4%            |
| KPN203084     | BMA102494       | 58%      | 94.2%          | 99.4%            |
| KPN203084     | CJU100536       | 38%      | 88.4%          | 96.8%            |
| KPN203084     | CAC102771       | 43%      | 89.6%          | 93.9%            |
| KPN203084     | CDP100199       | 37%      | 93.1%          | 92.0%            |
| KPN203084     | EBC101943       | 90%      | 94.2%          | 100%             |
| KPN203084     | ECO100078       | 95%      | 94.2%          | 100%             |
| KPN203084     | HIN101551       | 67%      | 92.5%          | 98.2%            |
| KPN203084     | KPN301558       | 100%     | 100%           | 100%             |
| KPN203084     | LMO101469       | 42%      | 93.6%          | 99.4%            |
| KPN203084     | MCA100917       | 56%      | 94.2%          | 91.7%            |
| KPN203084     | MAV101430       | 44%      | 90.2%          | 92.3%            |
| KPN203084     | MBV101315       | 44%      | 90.2%          | 92.3%            |
| KPN203084     | MLP101037       | 43%      | 90.2%          | 91.7%            |
| KPN203084     | MTU202964       | 44%      | 90.2%          | 92.3%            |
| KPN203084     | NGO101348       | 58%      | 94.2%          | 99.4%            |
| KPN203084     | NME201624       | 58%      | 94.2%          | 99.4%            |
| KPN203084     | PMU100869       | 66%      | 92.5%          | 98.2%            |
| KPN203084     | PAE204691       | 66%      | 93.6%          | 98.8%            |
| KPN203084     | PPU100092       | 64%      | 93.6%          | 98.8%            |
| KPN203084     | PSY104460       | 64%      | 93.6%          | 98.8%            |
| KPN203084     | SPA102565       | 95%      | 50.3%          | 100%             |
| KPN203084     | STY103145       | 95%      | 94.8%          | 100%             |
| KPN203084     | STM102857       | 96%      | 94.2%          | 100%             |
| KPN203084     | SAU802055       | 31%      | 42.2%          | 88.1%            |
| KPN203084     | SHA102434       | 32%      | 45.1%          | 98.8%            |
| KPN203084     | SMU101466       | 39%      | 90.8%          | 98.1%            |
| KPN203084     | SPN400402       | 40%      | 90.8%          | 94.6%            |
| KPN203084     | VCH102446       | 65%      | 94.2%          | 99.4%            |
| KPN203084     | YPS000965       | 86%      | 93.6%          | 98.8%            |
| KPN203146     | BAN110986       | 48%      | 34.1%          | 94.5%            |
| KPN203146     | BAN113122       | 41%      | 50.4%          | 99.4%            |
| KPN203146     | BAN106514       | 38%      | 0.8%           | 37.4%            |
| KPN203146     | BFR100918       | 29%      | 91.6%          | 76.9%            |
| KPN203146     | CDF101629       | 45%      | 95.4%          | 97.4%            |
| KPN203146     | CDP101416       | 67%      | 99.3%          | 98.7%            |
| KPN203146     | EBC101483       | 80%      | 79.1%          | 97.4%            |
| KPN203146     | EFA201342       | 48%      | 97.8%          | 98.7%            |
| KPN203146     | EFM202157       | 49%      | 97.8%          | 98.7%            |
| KPN203146     | ECO102620       | 81%      | 100%           | 100%             |
| KPN203146     | KPN300330       | 100%     | 16.7%          | 95.2%            |
| KPN203146     | KPN304450       | 98%      | 100%           | 100%             |
| KPN203146     | LMO100307       | 30%      | 90.9%          | 84.0%            |
| KPN203146     | MAV103568       | 69%      | 99.7%          | 99.6%            |
| KPN203146     | MBV105903       | 71%      | 98.2%          | 96.6%            |
| KPN203146     | MLP101067       | 69%      | 97.2%          | 100%             |
| KPN203146     | MTU203011       | 70%      | 97.2%          | 100%             |
| KPN203146     | MGE100236       | 52%      | 97.2%          | 95.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN203146     | MPN100512       | 54%      | 95.5%          | 94.2%            |
| KPN203146     | PRT102697       | 70%      | 98.3%          | 99.0%            |
| KPN203146     | SPA100936       | 71%      | 61.5%          | 100%             |
| KPN203146     | STY102722       | 79%      | 100%           | 100%             |
| KPN203146     | STM103199       | 80%      | 100%           | 100%             |
| KPN203146     | SAU800731       | 40%      | 97.6%          | 95.8%            |
| KPN203146     | SEP201122       | 32%      | 12.5%          | 98.9%            |
| KPN203146     | SEP200797       | 41%      | 97.6%          | 98.1%            |
| KPN203146     | SHA100609       | 41%      | 88.9%          | 95.7%            |
| KPN203146     | SMU100850       | 48%      | 97.8%          | 98.7%            |
| KPN203146     | SPN401065       | 48%      | 98.3%          | 98.9%            |
| KPN203146     | SPY200304       | 54%      | 95.5%          | 94.1%            |
| KPN203146     | YPS001322       | 70%      | 97.2%          | 100%             |
| KPN203246     | ABA101867       | 65%      | 98.7%          | 76.4%            |
| KPN203246     | BAN100493       | 78%      | 4.2%           | 12.1%            |
| KPN203246     | BAN105594       | 29%      | 27.7%          | 100%             |
| KPN203246     | BAN103472       | 45%      | 61.2%          | 99.3%            |
| KPN203246     | BAN107108       | 55%      | 98.7%          | 76.7%            |
| KPN203246     | BFR10905        | 35%      | 97.2%          | 74.6%            |
| KPN203246     | BFR101559       | 53%      | 98.7%          | 76.1%            |
| KPN203246     | BPT101928       | 64%      | 98.7%          | 76.8%            |
| KPN203246     | BCE104127       | 60%      | 6.7%           | 83.3%            |
| KPN203246     | BCE108256       | 67%      | 98.7%          | 76.8%            |
| KPN203246     | BFU101142       | 68%      | 97.3%          | 98.9%            |
| KPN203246     | BMA104295       | 66%      | 98.7%          | 76.8%            |
| KPN203246     | CJU100472       | 48%      | 98.2%          | 76.5%            |
| KPN203246     | CPN200617       | 50%      | 98.4%          | 75.5%            |
| KPN203246     | CAC100315       | 52%      | 98.7%          | 76.8%            |
| KPN203246     | CBO100316       | 52%      | 98.7%          | 76.8%            |
| KPN203246     | CDF100817       | 53%      | 98.7%          | 77.0%            |
| KPN203246     | CDP101419       | 57%      | 97.8%          | 76.9%            |
| KPN203246     | EBC100668       | 95%      | 54.4%          | 64.8%            |
| KPN203246     | EFA200871       | 55%      | 98.7%          | 76.2%            |
| KPN203246     | EFM202090       | 55%      | 98.7%          | 76.1%            |
| KPN203246     | ECO102539       | 95%      | 98.7%          | 76.8%            |
| KPN203246     | HIN100839       | 78%      | 98.7%          | 76.9%            |
| KPN203246     | HPY100260       | 48%      | 98.2%          | 76.4%            |
| KPN203246     | KPN301209       | 99%      | 98.7%          | 76.8%            |
| KPN203246     | LPN102913       | 75%      | 98.7%          | 78.0%            |
| KPN203246     | LMO101394       | 54%      | 98.7%          | 76.7%            |
| KPN203246     | MCA100931       | 62%      | 98.7%          | 74.0%            |
| KPN203246     | MAV101212       | 56%      | 97.8%          | 75.4%            |
| KPN203246     | MBV100178       | 56%      | 97.6%          | 80.7%            |
| KPN203246     | MLP101480       | 55%      | 97.8%          | 77.1%            |
| KPN203246     | MTU200383       | 56%      | 97.6%          | 77.0%            |
| KPN203246     | NGO100439       | 65%      | 98.7%          | 77.1%            |
| KPN203246     | NME201542       | 65%      | 98.7%          | 77.1%            |
| KPN203246     | PMU101704       | 78%      | 98.7%          | 76.8%            |
| KPN203246     | PRT105204       | 85%      | 98.7%          | 76.7%            |
| KPN203246     | PAE204540       | 71%      | 98.7%          | 77.0%            |
| KPN203246     | PPU108177       | 70%      | 98.7%          | 77.0%            |
| KPN203246     | PSY100953       | 70%      | 93.6%          | 76.1%            |
| KPN203246     | SPA106334       | 94%      | 51.1%          | 100%             |
| KPN203246     | STY102189       | 96%      | 98.7%          | 76.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN203246     | SAU800975       | 52%      | 98.7%          | 76.2%            |
| KPN203246     | SEP200200       | 53%      | 98.7%          | 76.2%            |
| KPN203246     | SHA100227       | 57%      | 85.3%          | 70.2%            |
| KPN203246     | SPY100446       | 46%      | 71.1%          | 76.1%            |
| KPN203246     | TPA100070       | 54%      | 98.7%          | 75.4%            |
| KPN203246     | VCH100698       | 77%      | 98.7%          | 76.8%            |
| KPN203246     | YPS002837       | 88%      | 98.7%          | 76.8%            |
| KPN203310     | BFU111646       | 37%      | 83.2%          | 84.6%            |
| KPN203310     | BFU103630       | 38%      | 92%            | 91.3%            |
| KPN203310     | EBC102431       | 75%      | 96.8%          | 93.8%            |
| KPN203310     | KPN304901       | 100%     | 100%           | 100%             |
| KPN203310     | PRT103773       | 42%      | 86.8%          | 88.6%            |
| KPN203310     | PAE202201       | 43%      | 89.6%          | 93.7%            |
| KPN203310     | PSY105400       | 34%      | 92%            | 96.5%            |
| KPN203310     | YPS003510       | 42%      | 88%            | 89.0%            |
| KPN203487     | ABA106040       | 46%      | 95.8%          | 96.9%            |
| KPN203487     | BCE101393       | 47%      | 95.8%          | 91.6%            |
| KPN203487     | CBO103956       | 26%      | 87.9%          | 88.6%            |
| KPN203487     | CDF102345       | 24%      | 58.4%          | 66.5%            |
| KPN203487     | KPN304430       | 98%      | 94.2%          | 97.8%            |
| KPN203487     | PSY102504       | 43%      | 96.8%          | 96.9%            |
| KPN203534     | EBC104008       | 94%      | 33.8%          | 94.7%            |
| KPN203534     | ECO102108       | 93%      | 100%           | 100%             |
| KPN203534     | HIN100803       | 74%      | 100%           | 100%             |
| KPN203534     | KPN302668       | 99%      | 98.0%          | 100%             |
| KPN203534     | PMU101039       | 75%      | 100%           | 100%             |
| KPN203534     | SPA103481       | 93%      | 98.0%          | 100%             |
| KPN203534     | TPA100677       | 51%      | 97.6%          | 99.4%            |
| KPN203534     | VCH101307       | 77%      | 98.0%          | 96.5%            |
| KPN203534     | YPS002281       | 88%      | 100%           | 100%             |
| KPN203895     | ABA100375       | 67%      | 100%           | 99.7%            |
| KPN203895     | BAN102615       | 49%      | 92%            | 89.8%            |
| KPN203895     | BAN113204       | 55%      | 95.7%          | 94.5%            |
| KPN203895     | BFR11926        | 47%      | 95.2%          | 96.8%            |
| KPN203895     | BPT100982       | 66%      | 98.4%          | 98.9%            |
| KPN203895     | BBU100808       | 38%      | 94.1%          | 94.7%            |
| KPN203895     | BCE109231       | 64%      | 98.4%          | 94.7%            |
| KPN203895     | BFU102660       | 63%      | 97.9%          | 93.9%            |
| KPN203895     | BMA101185       | 67%      | 98.4%          | 94.2%            |
| KPN203895     | CJU100938       | 41%      | 97.9%          | 100%             |
| KPN203895     | CPN200536       | 34%      | 93.1%          | 98.1%            |
| KPN203895     | CTR200458       | 33%      | 94.4%          | 99.5%            |
| KPN203895     | CAC102531       | 48%      | 92.8%          | 94.7%            |
| KPN203895     | CBO102700       | 48%      | 92.8%          | 94.7%            |
| KPN203895     | CDF100795       | 57%      | 97.6%          | 96.8%            |
| KPN203895     | CDP101532       | 38%      | 97.1%          | 93.5%            |
| KPN203895     | EBC102650       | 98%      | 100%           | 100%             |
| KPN203895     | EFA200390       | 53%      | 94.7%          | 92.9%            |
| KPN203895     | EFM201771       | 52%      | 94.7%          | 92.9%            |
| KPN203895     | ECO100398       | 97%      | 100%           | 100%             |
| KPN203895     | HIN100233       | 81%      | 99.7%          | 99.0%            |
| KPN203895     | HPY100277       | 45%      | 97.1%          | 98.4%            |
| KPN203895     | KPN303442       | 100%     | 100%           | 100%             |
| KPN203895     | LPN100896       | 41%      | 82.4%          | 99.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN203895     | LMO100999       | 55%      | 98.7%          | 97.9%            |
| KPN203895     | MCA103114       | 62%      | 99.5%          | 99.7%            |
| KPN203895     | NGO101847       | 60%      | 98.4%          | 99.5%            |
| KPN203895     | NME200853       | 60%      | 97.9%          | 98.9%            |
| KPN203895     | PMU100229       | 82%      | 99.2%          | 97.7%            |
| KPN203895     | PRT100799       | 89%      | 99.5%          | 98.2%            |
| KPN203895     | PAE203820       | 71%      | 99.5%          | 99.7%            |
| KPN203895     | PPU101526       | 69%      | 99.5%          | 100%             |
| KPN203895     | PSY103820       | 70%      | 99.2%          | 99.7%            |
| KPN203895     | SPA103217       | 97%      | 100%           | 100%             |
| KPN203895     | STY100394       | 98%      | 100%           | 100%             |
| KPN203895     | STM100065       | 98%      | 100%           | 100%             |
| KPN203895     | SAU801639       | 57%      | 95.5%          | 94.2%            |
| KPN203895     | SEP201595       | 55%      | 95.5%          | 94.2%            |
| KPN203895     | SHA101470       | 57%      | 63.5%          | 93.7%            |
| KPN203895     | SMU100613       | 50%      | 94.7%          | 93.2%            |
| KPN203895     | SPN401866       | 50%      | 94.7%          | 93.2%            |
| KPN203895     | SPY200153       | 52%      | 94.7%          | 93.2%            |
| KPN203895     | VCH100728       | 82%      | 100%           | 98.9%            |
| KPN203895     | YPS002550       | 90%      | 99.7%          | 100%             |
| KPN203896     | ABA100377       | 56%      | 96.9%          | 98.6%            |
| KPN203896     | BAN110462       | 48%      | 96.9%          | 100%             |
| KPN203896     | BAN105206       | 49%      | 96.9%          | 97.4%            |
| KPN203896     | BFR101067       | 39%      | 96.9%          | 99.1%            |
| KPN203896     | BPT100983       | 55%      | 96.9%          | 97.4%            |
| KPN203896     | BBU100021       | 28%      | 61.3%          | 98.6%            |
| KPN203896     | BCE109754       | 59%      | 26.8%          | 90.7%            |
| KPN203896     | BFU102661       | 52%      | 97.2%          | 98.6%            |
| KPN203896     | BMA105286       | 51%      | 98.6%          | 97.5%            |
| KPN203896     | CJU100538       | 38%      | 96.3%          | 98.0%            |
| KPN203896     | CAC102220       | 47%      | 96.9%          | 99.7%            |
| KPN203896     | CBO103873       | 50%      | 96.9%          | 98.8%            |
| KPN203896     | CDF100218       | 50%      | 96.9%          | 99.7%            |
| KPN203896     | EBC102649       | 90%      | 99.7%          | 99.2%            |
| KPN203896     | EFA200438       | 49%      | 95.8%          | 97.4%            |
| KPN203896     | EFM101932       | 42%      | 42.1%          | 91.5%            |
| KPN203896     | ECO100397       | 93%      | 99.7%          | 99.2%            |
| KPN203896     | HIN100234       | 69%      | 97.7%          | 98.1%            |
| KPN203896     | HPY101045       | 36%      | 95.5%          | 97.4%            |
| KPN203896     | KPN303445       | 95%      | 35.0%          | 100%             |
| KPN203896     | KPN304932       | 100%     | 100%           | 100%             |
| KPN203896     | LPN100464       | 54%      | 96.9%          | 99.7%            |
| KPN203896     | LMO101436       | 49%      | 96.9%          | 99.7%            |
| KPN203896     | MCA100738       | 48%      | 96.3%          | 96.4%            |
| KPN203896     | MLP101376       | 35%      | 21.2%          | 22.7%            |
| KPN203896     | NGO101626       | 56%      | 97.7%          | 98.6%            |
| KPN203896     | NME200555       | 57%      | 97.7%          | 98.6%            |
| KPN203896     | PMU100232       | 67%      | 98.0%          | 98.3%            |
| KPN203896     | PRT102078       | 84%      | 99.7%          | 98.9%            |
| KPN203896     | PAE203821       | 70%      | 98.0%          | 98.0%            |
| KPN203896     | PPU101525       | 70%      | 98.0%          | 97.4%            |
| KPN203896     | PSY103819       | 70%      | 98.0%          | 96.0%            |
| KPN203896     | SPA103215       | 89%      | 64.7%          | 99.1%            |
| KPN203896     | STY100393       | 92%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN203896     | STM100064       | 92%      | 100%           | 100%             |
| KPN203896     | SAU801640       | 45%      | 96.9%          | 99.7%            |
| KPN203896     | SEP201597       | 47%      | 96.9%          | 99.7%            |
| KPN203896     | SHA100644       | 46%      | 96.9%          | 99.7%            |
| KPN203896     | SMU100783       | 47%      | 96.9%          | 99.7%            |
| KPN203896     | SPN401272       | 46%      | 96.9%          | 98.6%            |
| KPN203896     | SPY201071       | 47%      | 96.9%          | 99.7%            |
| KPN203896     | VCH100726       | 71%      | 96.9%          | 98.0%            |
| KPN203896     | YPS002552       | 82%      | 99.7%          | 99.2%            |
| KPN203973     | ABA105528       | 71%      | 59.8%          | 100%             |
| KPN203973     | ABA106151       | 74%      | 63.1%          | 100%             |
| KPN203973     | ABA105551       | 84%      | 91.8%          | 100%             |
| KPN203973     | ABA101831       | 85%      | 100%           | 100%             |
| KPN203973     | BAN100346       | 69%      | 76.2%          | 96.9%            |
| KPN203973     | BAN101836       | 75%      | 98.4%          | 100%             |
| KPN203973     | BAN105253       | 76%      | 100%           | 100%             |
| KPN203973     | BAN103157       | 76%      | 100%           | 100%             |
| KPN203973     | BAN103430       | 76%      | 100%           | 100%             |
| KPN203973     | BAN100749       | 76%      | 100%           | 100%             |
| KPN203973     | BAN106478       | 76%      | 100%           | 100%             |
| KPN203973     | BAN104535       | 76%      | 100%           | 100%             |
| KPN203973     | BAN100304       | 76%      | 100%           | 100%             |
| KPN203973     | BAN103959       | 76%      | 100%           | 100%             |
| KPN203973     | BAN106892       | 76%      | 100%           | 100%             |
| KPN203973     | BAN112264       | 76%      | 100%           | 100%             |
| KPN203973     | BAN105419       | 76%      | 100%           | 100%             |
| KPN203973     | BFR105579       | 72%      | 100%           | 100%             |
| KPN203973     | BFR103235       | 72%      | 100%           | 100%             |
| KPN203973     | BPT103416       | 100%     | 34.4%          | 27.3%            |
| KPN203973     | BPT104523       | 100%     | 34.4%          | 27.3%            |
| KPN203973     | BPT103989       | 100%     | 34.4%          | 27.3%            |
| KPN203973     | BCE110368       | 76%      | 51.6%          | 100%             |
| KPN203973     | BCE109830       | 82%      | 55.7%          | 98.6%            |
| KPN203973     | BCE114555       | 80%      | 94.3%          | 100%             |
| KPN203973     | BCE115125       | 85%      | 100%           | 100%             |
| KPN203973     | BMA101414       | 83%      | 100%           | 100%             |
| KPN203973     | CTR200114       | 72%      | 100%           | 100%             |
| KPN203973     | CBO100841       | 69%      | 59.0%          | 100%             |
| KPN203973     | CBO103821       | 72%      | 85.2%          | 100%             |
| KPN203973     | CBO102961       | 72%      | 91.8%          | 100%             |
| KPN203973     | CBO102777       | 72%      | 100%           | 100%             |
| KPN203973     | CBO100139       | 72%      | 100%           | 100%             |
| KPN203973     | CBO102075       | 72%      | 100%           | 100%             |
| KPN203973     | CBO101355       | 72%      | 100%           | 100%             |
| KPN203973     | CDF100014       | 71%      | 78.7%          | 100%             |
| KPN203973     | CDF102596       | 70%      | 100%           | 100%             |
| KPN203973     | CDF100358       | 74%      | 100%           | 100%             |
| KPN203973     | CDF102023       | 74%      | 100%           | 100%             |
| KPN203973     | CDF101174       | 75%      | 100%           | 100%             |
| KPN203973     | CDF100271       | 74%      | 100%           | 100%             |
| KPN203973     | CDF102190       | 74%      | 100%           | 100%             |
| KPN203973     | CDF100009       | 74%      | 100%           | 100%             |
| KPN203973     | CDF101049       | 74%      | 100%           | 100%             |
| KPN203973     | CDF100125       | 75%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN203973     | CDP100750       | 66%      | 100%           | 100%             |
| KPN203973     | CDP100008       | 66%      | 100%           | 100%             |
| KPN203973     | CDP101025       | 66%      | 100%           | 100%             |
| KPN203973     | CDP101470       | 66%      | 100%           | 100%             |
| KPN203973     | CDP101508       | 66%      | 100%           | 100%             |
| KPN203973     | EBC104695       | 96%      | 41.0%          | 100%             |
| KPN203973     | EBC104708       | 98%      | 100%           | 100%             |
| KPN203973     | EFA203112       | 71%      | 100%           | 100%             |
| KPN203973     | EFA201542       | 71%      | 100%           | 100%             |
| KPN203973     | EFA203085       | 71%      | 100%           | 100%             |
| KPN203973     | EFA202786       | 71%      | 100%           | 100%             |
| KPN203973     | EFM102382       | 71%      | 100%           | 100%             |
| KPN203973     | KPN300847       | 95%      | 78.7%          | 100%             |
| KPN203973     | KPN300969       | 92%      | 78.7%          | 100%             |
| KPN203973     | KPN301056       | 98%      | 64.8%          | 100%             |
| KPN203973     | KPN302967       | 99%      | 100%           | 100%             |
| KPN203973     | LPN102481       | 90%      | 100%           | 100%             |
| KPN203973     | MCA102101       | 86%      | 100%           | 100%             |
| KPN203973     | MBV100203       | 66%      | 100%           | 100%             |
| KPN203973     | NGO100484       | 82%      | 100%           | 100%             |
| KPN203973     | NGO101737       | 85%      | 100%           | 56.5%            |
| KPN203973     | NGO100413       | 85%      | 100%           | 56.5%            |
| KPN203973     | NGO101926       | 85%      | 100%           | 56.5%            |
| KPN203973     | NME103001       | 86%      | 100%           | 100%             |
| KPN203973     | PRT103668       | 90%      | 71.3%          | 100%             |
| KPN203973     | PRT103667       | 91%      | 95.1%          | 100%             |
| KPN203973     | PRT103665       | 93%      | 100%           | 100%             |
| KPN203973     | PAE107214       | 88%      | 100%           | 100%             |
| KPN203973     | PPU102385       | 89%      | 100%           | 100%             |
| KPN203973     | PPU100406       | 89%      | 100%           | 100%             |
| KPN203973     | PPU101099       | 89%      | 100%           | 100%             |
| KPN203973     | PPU106991       | 89%      | 100%           | 100%             |
| KPN203973     | PPU112044       | 89%      | 100%           | 100%             |
| KPN203973     | PPU109454       | 89%      | 100%           | 100%             |
| KPN203973     | PPU109508       | 89%      | 100%           | 100%             |
| KPN203973     | PSY106628       | 84%      | 67.2%          | 100%             |
| KPN203973     | PSY106991       | 88%      | 100%           | 100%             |
| KPN203973     | PSY107666       | 88%      | 100%           | 100%             |
| KPN203973     | PSY101542       | 88%      | 100%           | 100%             |
| KPN203973     | SPA101643       | 98%      | 72.1%          | 100%             |
| KPN203973     | SPA103885       | 98%      | 100%           | 100%             |
| KPN203973     | SPA103853       | 99%      | 100%           | 100%             |
| KPN203973     | SAU302874       | 75%      | 100%           | 100%             |
| KPN203973     | SAU302816       | 75%      | 100%           | 100%             |
| KPN203973     | SAU302683       | 69%      | 59.8%          | 62.4%            |
| KPN203973     | SAU302807       | 75%      | 100%           | 100%             |
| KPN203973     | SAU301432       | 75%      | 100%           | 100%             |
| KPN203973     | SAU302626       | 75%      | 100%           | 100%             |
| KPN203973     | SEP201860       | 75%      | 100%           | 100%             |
| KPN203973     | SEP200476       | 75%      | 100%           | 100%             |
| KPN203973     | SEP201305       | 75%      | 100%           | 100%             |
| KPN203973     | SEP201812       | 75%      | 100%           | 100%             |
| KPN203973     | SEP201970       | 75%      | 100%           | 100%             |
| KPN203973     | SEP201855       | 75%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN203973     | SHA102684       | 65%      | 45.1%          | 100%             |
| KPN203973     | SHA102720       | 75%      | 100%           | 100%             |
| KPN203973     | SMU101912       | 72%      | 100%           | 100%             |
| KPN203973     | SMU100576       | 72%      | 100%           | 100%             |
| KPN203973     | SMU101953       | 72%      | 100%           | 100%             |
| KPN203973     | SMU101883       | 72%      | 100%           | 100%             |
| KPN203973     | SMU101949       | 72%      | 100%           | 100%             |
| KPN203973     | SPN103672       | 68%      | 54.1%          | 100%             |
| KPN203973     | SPN102832       | 73%      | 100%           | 100%             |
| KPN203973     | SPY102630       | 74%      | 100%           | 100%             |
| KPN204464     | ABA103108       | 75%      | 96.3%          | 95.7%            |
| KPN204464     | BCE112521       | 20%      | 75.5%          | 75.5%            |
| KPN204464     | BFU107834       | 43%      | 96.3%          | 46.9%            |
| KPN204464     | BMA107974       | 22%      | 75.5%          | 86.0%            |
| KPN204464     | KPN304132       | 99%      | 100%           | 100%             |
| KPN204464     | MCA100338       | 22%      | 28.8%          | 35.3%            |
| KPN204464     | MBV105390       | 59%      | 94.4%          | 95.8%            |
| KPN204464     | MTU203407       | 56%      | 74.6%          | 95.0%            |
| KPN204464     | PSY102309       | 44%      | 96.3%          | 44.1%            |
| KPN204464     | SEP100083       | 20%      | 51.4%          | 91.2%            |
| KPN204464     | SHA102232       | 22%      | 64.7%          | 91.8%            |
| KPN204465     | ABA102567       | 70%      | 96.6%          | 97.1%            |
| KPN204465     | BPT100743       | 71%      | 95.6%          | 91.6%            |
| KPN204465     | BCE100299       | 74%      | 96.1%          | 91.6%            |
| KPN204465     | BFU110334       | 73%      | 96.1%          | 90.8%            |
| KPN204465     | BMA101911       | 73%      | 96.1%          | 91.2%            |
| KPN204465     | EBC101191       | 88%      | 99.0%          | 100%             |
| KPN204465     | ECO205361       | 90%      | 100%           | 100%             |
| KPN204465     | ECO201402       | 90%      | 100%           | 100%             |
| KPN204465     | HIN100515       | 60%      | 98.5%          | 89.8%            |
| KPN204465     | HPY100066       | 63%      | 95.6%          | 98.5%            |
| KPN204465     | KPN304128       | 100%     | 100%           | 100%             |
| KPN204465     | MBV102011       | 56%      | 94.6%          | 86.6%            |
| KPN204465     | MTU201819       | 56%      | 94.6%          | 86.6%            |
| KPN204465     | PRT102194       | 77%      | 99.0%          | 99.0%            |
| KPN204465     | PAE204888       | 71%      | 96.1%          | 96.6%            |
| KPN204465     | PPU110666       | 87%      | 99.5%          | 98.6%            |
| KPN204465     | PSY106880       | 70%      | 99.0%          | 98.0%            |
| KPN204465     | SAU802293       | 63%      | 96.6%          | 97.1%            |
| KPN204465     | SEP200377       | 61%      | 96.6%          | 97.1%            |
| KPN204465     | UUR100434       | 59%      | 95.6%          | 95.6%            |
| KPN204465     | YPS001381       | 59%      | 90.7%          | 85.9%            |
| KPN204596     | BPT102408       | 28%      | 73.9%          | 88.5%            |
| KPN204596     | BBU100677       | 21%      | 91.5%          | 91.6%            |
| KPN204596     | BCE102728       | 51%      | 92.4%          | 89.6%            |
| KPN204596     | CBO102661       | 26%      | 71.6%          | 80.7%            |
| KPN204596     | EBC104522       | 88%      | 100%           | 100%             |
| KPN204596     | EFA202350       | 25%      | 88.9%          | 84.5%            |
| KPN204596     | ECO104120       | 87%      | 100%           | 100%             |
| KPN204596     | KPN303796       | 99%      | 100%           | 100%             |
| KPN204596     | MCA101148       | 26%      | 75.4%          | 90.6%            |
| KPN204596     | MTU202692       | 26%      | 66.3%          | 71.8%            |
| KPN204596     | SPY200940       | 23%      | 77.1%          | 79.4%            |
| KPN204596     | UUR100012       | 22%      | 90.6%          | 45.8%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN204596     | YPS001711       | 73%      | 94.7%          | 95.6%            |
| KPN206300     | ABA100706       | 35%      | 99.0%          | 99.7%            |
| KPN206300     | BAN101961       | 30%      | 100%           | 100%             |
| KPN206300     | BAN108651       | 35%      | 100%           | 99.0%            |
| KPN206300     | BFR100189       | 33%      | 95.3%          | 61.7%            |
| KPN206300     | BCE111641       | 34%      | 83.5%          | 99.6%            |
| KPN206300     | CDP100349       | 34%      | 62.0%          | 94%              |
| KPN206300     | EBC103018       | 78%      | 99.7%          | 99.7%            |
| KPN206300     | ECO102262       | 83%      | 99.7%          | 99.7%            |
| KPN206300     | HIN101181       | 42%      | 99.7%          | 99.0%            |
| KPN206300     | KPN302831       | 100%     | 100%           | 100%             |
| KPN206300     | LPN102893       | 38%      | 98.7%          | 98.0%            |
| KPN206300     | LMO100025       | 35%      | 99.7%          | 99.7%            |
| KPN206300     | MAV101349       | 40%      | 99.7%          | 65.4%            |
| KPN206300     | MBV104453       | 39%      | 97.6%          | 95.4%            |
| KPN206300     | MLP100520       | 36%      | 97.6%          | 93.8%            |
| KPN206300     | MTU202182       | 39%      | 97.6%          | 95.7%            |
| KPN206300     | PMU100548       | 50%      | 99.7%          | 99.7%            |
| KPN206300     | PRT101600       | 59%      | 99.7%          | 98.7%            |
| KPN206300     | PAE204653       | 51%      | 99.7%          | 97.4%            |
| KPN206300     | PPU109740       | 48%      | 100%           | 99.3%            |
| KPN206300     | PSY102382       | 56%      | 16.2%          | 90.6%            |
| KPN206300     | SPA103771       | 83%      | 99.7%          | 99.7%            |
| KPN206300     | STY100994       | 83%      | 99.7%          | 99.7%            |
| KPN206300     | STM100744       | 83%      | 99.7%          | 99.7%            |
| KPN206300     | SAU800769       | 35%      | 98.7%          | 98%              |
| KPN206300     | SEP201413       | 35%      | 99.3%          | 98.7%            |
| KPN206300     | SHA101576       | 36%      | 99.3%          | 98.7%            |
| KPN206300     | YPS002442       | 65%      | 99.7%          | 98.3%            |
| KPN206685     | CAC101460       | 17%      | 89.3%          | 94.9%            |
| KPN206685     | EBC100447       | 31%      | 63.5%          | 95.3%            |
| KPN206685     | ECO101499       | 33%      | 86.4%          | 90.7%            |
| KPN206685     | HIN100128       | 29%      | 88.1%          | 92.7%            |
| KPN206685     | HPY101168       | 29%      | 86.4%          | 92.3%            |
| KPN206685     | KPN302908       | 34%      | 85.4%          | 90.2%            |
| KPN206685     | KPN302890       | 100%     | 100%           | 100%             |
| KPN206685     | MAV104012       | 27%      | 89.7%          | 93.0%            |
| KPN206685     | MBV102693       | 31%      | 85.7%          | 92.6%            |
| KPN206685     | MTU200190       | 31%      | 89.7%          | 92.3%            |
| KPN206685     | NGO102033       | 29%      | 87.4%          | 99.5%            |
| KPN206685     | PMU100949       | 30%      | 89.7%          | 93.6%            |
| KPN206685     | PRT105535       | 29%      | 87.4%          | 89.0%            |
| KPN206685     | PAE204110       | 33%      | 90.0%          | 94.2%            |
| KPN206685     | PPU103772       | 30%      | 92.4%          | 95.7%            |
| KPN206685     | PSY104435       | 30%      | 88.8%          | 90.7%            |
| KPN206685     | SPA103066       | 31%      | 88.8%          | 93.9%            |
| KPN206685     | STY104274       | 31%      | 88.8%          | 93.4%            |
| KPN207255     | ABA105528       | 71%      | 93.6%          | 100%             |
| KPN207255     | ABA106151       | 74%      | 98.7%          | 100%             |
| KPN207255     | ABA105551       | 78%      | 100%           | 69.6%            |
| KPN207255     | ABA101831       | 78%      | 100%           | 63.9%            |
| KPN207255     | BAN100346       | 75%      | 62.8%          | 51.0%            |
| KPN207255     | BAN105253       | 73%      | 100%           | 63.9%            |
| KPN207255     | BAN105419       | 73%      | 100%           | 63.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN207255     | BAN101836       | 73%      | 100%           | 65%              |
| KPN207255     | BAN103430       | 73%      | 100%           | 63.9%            |
| KPN207255     | BAN100749       | 73%      | 100%           | 63.9%            |
| KPN207255     | BAN106478       | 73%      | 100%           | 63.9%            |
| KPN207255     | BAN104535       | 73%      | 100%           | 63.9%            |
| KPN207255     | BAN100304       | 73%      | 100%           | 63.9%            |
| KPN207255     | BAN103157       | 73%      | 100%           | 63.9%            |
| KPN207255     | BAN106892       | 73%      | 100%           | 63.9%            |
| KPN207255     | BAN112264       | 73%      | 100%           | 63.9%            |
| KPN207255     | BAN103959       | 73%      | 100%           | 63.9%            |
| KPN207255     | BFR105579       | 64%      | 100%           | 63.9%            |
| KPN207255     | BFR103235       | 64%      | 100%           | 63.9%            |
| KPN207255     | BCE109830       | 68%      | 32.1%          | 36.2%            |
| KPN207255     | BCE110368       | 76%      | 80.8%          | 100%             |
| KPN207255     | BCE114555       | 79%      | 98.7%          | 67.0%            |
| KPN207255     | BCE115125       | 78%      | 100%           | 63.9%            |
| KPN207255     | BMA101414       | 75%      | 100%           | 63.9%            |
| KPN207255     | CTR200114       | 70%      | 100%           | 63.9%            |
| KPN207255     | CBO100841       | 69%      | 92.3%          | 100%             |
| KPN207255     | CBO103821       | 70%      | 100%           | 75%              |
| KPN207255     | CBO102961       | 70%      | 100%           | 69.6%            |
| KPN207255     | CBO100139       | 70%      | 100%           | 63.9%            |
| KPN207255     | CBO102075       | 70%      | 100%           | 63.9%            |
| KPN207255     | CBO101355       | 70%      | 100%           | 63.9%            |
| KPN207255     | CBO102777       | 70%      | 100%           | 63.9%            |
| KPN207255     | CDF102596       | 66%      | 100%           | 63.9%            |
| KPN207255     | CDF102023       | 69%      | 100%           | 63.9%            |
| KPN207255     | CDF100014       | 69%      | 100%           | 81.2%            |
| KPN207255     | CDF100358       | 69%      | 100%           | 63.9%            |
| KPN207255     | CDF101174       | 70%      | 100%           | 63.9%            |
| KPN207255     | CDF100271       | 69%      | 100%           | 63.9%            |
| KPN207255     | CDF102190       | 69%      | 100%           | 63.9%            |
| KPN207255     | CDF100009       | 69%      | 100%           | 63.9%            |
| KPN207255     | CDF101049       | 69%      | 100%           | 63.9%            |
| KPN207255     | CDF100125       | 70%      | 100%           | 63.9%            |
| KPN207255     | CDP100750       | 61%      | 100%           | 63.9%            |
| KPN207255     | CDP100008       | 61%      | 100%           | 63.9%            |
| KPN207255     | CDP101025       | 61%      | 100%           | 63.9%            |
| KPN207255     | CDP101470       | 61%      | 100%           | 63.9%            |
| KPN207255     | CDP101508       | 61%      | 100%           | 63.9%            |
| KPN207255     | EBC104695       | 98%      | 64.1%          | 100%             |
| KPN207255     | EBC104708       | 97%      | 100%           | 63.9%            |
| KPN207255     | EFA203112       | 66%      | 100%           | 63.9%            |
| KPN207255     | EFA201542       | 66%      | 100%           | 63.9%            |
| KPN207255     | EFA203085       | 66%      | 100%           | 63.9%            |
| KPN207255     | EFA202786       | 66%      | 100%           | 63.9%            |
| KPN207255     | EFM102382       | 66%      | 100%           | 63.9%            |
| KPN207255     | KPN301056       | 98%      | 100%           | 98.7%            |
| KPN207255     | KPN300969       | 96%      | 100%           | 81.2%            |
| KPN207255     | KPN300847       | 98%      | 100%           | 81.2%            |
| KPN207255     | KPN302967       | 98%      | 100%           | 63.9%            |
| KPN207255     | LPN102481       | 84%      | 100%           | 63.9%            |
| KPN207255     | MCA102101       | 79%      | 100%           | 63.9%            |
| KPN207255     | MBV100203       | 58%      | 100%           | 63.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN207255     | NGO100484       | 75%      | 100%           | 63.9%            |
| KPN207255     | NGO101737       | 78%      | 100%           | 36.1%            |
| KPN207255     | NGO100413       | 78%      | 100%           | 36.1%            |
| KPN207255     | NGO101926       | 78%      | 100%           | 36.1%            |
| KPN207255     | NME103001       | 80%      | 100%           | 63.9%            |
| KPN207255     | PRT103668       | 89%      | 100%           | 89.7%            |
| KPN207255     | PRT103665       | 89%      | 100%           | 63.9%            |
| KPN207255     | PRT103667       | 89%      | 100%           | 67.2%            |
| KPN207255     | PAE107214       | 82%      | 100%           | 63.9%            |
| KPN207255     | PPU102385       | 83%      | 100%           | 63.9%            |
| KPN207255     | PPU100406       | 83%      | 100%           | 63.9%            |
| KPN207255     | PPU101099       | 83%      | 100%           | 63.9%            |
| KPN207255     | PPU106991       | 83%      | 100%           | 63.9%            |
| KPN207255     | PPU112044       | 83%      | 100%           | 63.9%            |
| KPN207255     | PPU109454       | 83%      | 100%           | 63.9%            |
| KPN207255     | PPU109508       | 83%      | 100%           | 63.9%            |
| KPN207255     | PSY106628       | 82%      | 100%           | 95.1%            |
| KPN207255     | PSY107666       | 82%      | 100%           | 63.9%            |
| KPN207255     | PSY106991       | 82%      | 100%           | 63.9%            |
| KPN207255     | PSY101542       | 82%      | 100%           | 63.9%            |
| KPN207255     | SPA103885       | 96%      | 100%           | 63.9%            |
| KPN207255     | SPA103853       | 97%      | 100%           | 63.9%            |
| KPN207255     | SPA101643       | 97%      | 100%           | 88.6%            |
| KPN207255     | SAU302874       | 70%      | 100%           | 63.9%            |
| KPN207255     | SAU302816       | 70%      | 100%           | 63.9%            |
| KPN207255     | SAU302683       | 69%      | 93.6%          | 62.4%            |
| KPN207255     | SAU302807       | 70%      | 100%           | 63.9%            |
| KPN207255     | SAU301432       | 70%      | 100%           | 63.9%            |
| KPN207255     | SAU302626       | 70%      | 100%           | 63.9%            |
| KPN207255     | SEP201860       | 70%      | 100%           | 63.9%            |
| KPN207255     | SEP200476       | 70%      | 100%           | 63.9%            |
| KPN207255     | SEP201305       | 70%      | 100%           | 63.9%            |
| KPN207255     | SEP201812       | 70%      | 100%           | 63.9%            |
| KPN207255     | SEP201970       | 70%      | 100%           | 63.9%            |
| KPN207255     | SEP201855       | 70%      | 100%           | 63.9%            |
| KPN207255     | SHA102684       | 65%      | 70.5%          | 100%             |
| KPN207255     | SHA102720       | 70%      | 100%           | 63.9%            |
| KPN207255     | SMU101912       | 67%      | 100%           | 63.9%            |
| KPN207255     | SMU100576       | 67%      | 100%           | 63.9%            |
| KPN207255     | SMU101953       | 67%      | 100%           | 63.9%            |
| KPN207255     | SMU101883       | 67%      | 100%           | 63.9%            |
| KPN207255     | SMU101949       | 67%      | 100%           | 63.9%            |
| KPN207255     | SPN103672       | 68%      | 84.6%          | 100%             |
| KPN207255     | SPN102832       | 69%      | 100%           | 63.9%            |
| KPN207255     | SPY102630       | 70%      | 100%           | 63.9%            |
| KPN208757     | BPT104464       | 28%      | 92.4%          | 92.2%            |
| KPN208757     | BCE109471       | 31%      | 98.2%          | 97.8%            |
| KPN208757     | BFU113717       | 27%      | 97.8%          | 96.4%            |
| KPN208757     | BMA102384       | 29%      | 97.8%          | 97.9%            |
| KPN208757     | CJU101563       | 35%      | 65.9%          | 26.7%            |
| KPN208757     | EBC100769       | 88%      | 100%           | 99.6%            |
| KPN208757     | ECO100991       | 89%      | 87.0%          | 98.8%            |
| KPN208757     | KPN300130       | 45%      | 79.7%          | 100%             |
| KPN208757     | KPN306701       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN208757     | LMO100238       | 25%      | 73.6%          | 42.3%            |
| KPN208757     | MAV107152       | 42%      | 95.3%          | 82.1%            |
| KPN208757     | NGO101920       | 50%      | 98.6%          | 97.8%            |
| KPN208757     | NME200263       | 51%      | 99.3%          | 98.2%            |
| KPN208757     | PMU100453       | 31%      | 73.9%          | 32.6%            |
| KPN208757     | PRT104094       | 24%      | 92.8%          | 95.0%            |
| KPN208757     | PAE205243       | 27%      | 73.6%          | 31.9%            |
| KPN208757     | PPU109970       | 27%      | 73.6%          | 31.2%            |
| KPN208757     | PSY102797       | 58%      | 96.0%          | 93.3%            |
| KPN208757     | SAU800345       | 23%      | 73.2%          | 35.2%            |
| KPN208757     | SHA101901       | 23%      | 95.7%          | 42.3%            |
| KPN208757     | TPA100962       | 27%      | 73.6%          | 45.8%            |
| KPN208757     | YPS001603       | 75%      | 100%           | 97.9%            |
| KPN300969     | ABA105528       | 69%      | 76.0%          | 100%             |
| KPN300969     | ABA106151       | 72%      | 80.2%          | 100%             |
| KPN300969     | ABA105551       | 77%      | 100%           | 85.7%            |
| KPN300969     | ABA101831       | 77%      | 100%           | 78.7%            |
| KPN300969     | BAN100346       | 75%      | 59.4%          | 59.4%            |
| KPN300969     | BAN105253       | 70%      | 100%           | 78.7%            |
| KPN300969     | BAN105419       | 70%      | 100%           | 78.7%            |
| KPN300969     | BAN101836       | 70%      | 100%           | 80%              |
| KPN300969     | BAN103430       | 70%      | 100%           | 78.7%            |
| KPN300969     | BAN100749       | 70%      | 100%           | 78.7%            |
| KPN300969     | BAN106478       | 70%      | 100%           | 78.7%            |
| KPN300969     | BAN104535       | 70%      | 100%           | 78.7%            |
| KPN300969     | BAN100304       | 70%      | 100%           | 78.7%            |
| KPN300969     | BAN103157       | 70%      | 100%           | 78.7%            |
| KPN300969     | BAN106892       | 70%      | 100%           | 78.7%            |
| KPN300969     | BAN112264       | 70%      | 100%           | 78.7%            |
| KPN300969     | BAN103959       | 70%      | 100%           | 78.7%            |
| KPN300969     | BFR105579       | 65%      | 100%           | 78.7%            |
| KPN300969     | BFR103235       | 65%      | 100%           | 78.7%            |
| KPN300969     | BCE109830       | 69%      | 44.8%          | 62.3%            |
| KPN300969     | BCE110368       | 73%      | 65.6%          | 100%             |
| KPN300969     | BCE114555       | 75%      | 100%           | 83.5%            |
| KPN300969     | BCE115125       | 76%      | 100%           | 78.7%            |
| KPN300969     | BMA101414       | 73%      | 100%           | 78.7%            |
| KPN300969     | CTR200114       | 70%      | 100%           | 78.7%            |
| KPN300969     | CBO100841       | 69%      | 75%            | 100%             |
| KPN300969     | CBO103821       | 68%      | 100%           | 92.3%            |
| KPN300969     | CBO102961       | 68%      | 100%           | 85.7%            |
| KPN300969     | CBO100139       | 68%      | 100%           | 78.7%            |
| KPN300969     | CBO102075       | 68%      | 100%           | 78.7%            |
| KPN300969     | CBO101355       | 68%      | 100%           | 78.7%            |
| KPN300969     | CBO102777       | 68%      | 100%           | 78.7%            |
| KPN300969     | CDF102596       | 66%      | 100%           | 78.7%            |
| KPN300969     | CDF102023       | 69%      | 100%           | 78.7%            |
| KPN300969     | CDF100014       | 69%      | 100%           | 100%             |
| KPN300969     | CDF100358       | 69%      | 100%           | 78.7%            |
| KPN300969     | CDF101174       | 70%      | 100%           | 78.7%            |
| KPN300969     | CDF100271       | 69%      | 100%           | 78.7%            |
| KPN300969     | CDF102190       | 69%      | 100%           | 78.7%            |
| KPN300969     | CDF100009       | 69%      | 100%           | 78.7%            |
| KPN300969     | CDF101049       | 69%      | 100%           | 78.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN300969     | CDF100125       | 70%      | 100%           | 78.7%            |
| KPN300969     | CDP100750       | 63%      | 100%           | 78.7%            |
| KPN300969     | CDP100008       | 63%      | 100%           | 78.7%            |
| KPN300969     | CDP101025       | 63%      | 100%           | 78.7%            |
| KPN300969     | CDP101470       | 63%      | 100%           | 78.7%            |
| KPN300969     | CDP101508       | 63%      | 100%           | 78.7%            |
| KPN300969     | EBC104695       | 94%      | 52.1%          | 100%             |
| KPN300969     | EBC104708       | 92%      | 100%           | 78.7%            |
| KPN300969     | EFA203112       | 65%      | 100%           | 78.7%            |
| KPN300969     | EFA201542       | 65%      | 100%           | 78.7%            |
| KPN300969     | EFA203085       | 65%      | 100%           | 78.7%            |
| KPN300969     | EFA202786       | 65%      | 100%           | 78.7%            |
| KPN300969     | EFM102382       | 65%      | 100%           | 78.7%            |
| KPN300969     | KPN300847       | 96%      | 100%           | 100%             |
| KPN300969     | KPN302967       | 93%      | 100%           | 78.7%            |
| KPN300969     | KPN300969       | 100%     | 100%           | 100%             |
| KPN300969     | LPN102481       | 82%      | 100%           | 78.7%            |
| KPN300969     | MCA102101       | 78%      | 100%           | 78.7%            |
| KPN300969     | MBV100203       | 59%      | 100%           | 78.7%            |
| KPN300969     | NGO100484       | 75%      | 100%           | 78.7%            |
| KPN300969     | NGO101737       | 77%      | 100%           | 44.4%            |
| KPN300969     | NGO100413       | 77%      | 100%           | 44.4%            |
| KPN300969     | NGO101926       | 77%      | 100%           | 44.4%            |
| KPN300969     | NME103001       | 79%      | 100%           | 78.7%            |
| KPN300969     | PRT103668       | 89%      | 90.6%          | 100%             |
| KPN300969     | PRT103667       | 86%      | 100%           | 82.8%            |
| KPN300969     | PRT103665       | 86%      | 100%           | 78.7%            |
| KPN300969     | PAE107214       | 80%      | 100%           | 78.7%            |
| KPN300969     | PPU102385       | 81%      | 100%           | 78.7%            |
| KPN300969     | PPU100406       | 81%      | 100%           | 78.7%            |
| KPN300969     | PPU101099       | 81%      | 100%           | 78.7%            |
| KPN300969     | PPU106991       | 81%      | 100%           | 78.7%            |
| KPN300969     | PPU112044       | 81%      | 100%           | 78.7%            |
| KPN300969     | PPU109454       | 81%      | 100%           | 78.7%            |
| KPN300969     | PPU109508       | 81%      | 100%           | 78.7%            |
| KPN300969     | PSY106628       | 81%      | 85.4%          | 100%             |
| KPN300969     | PSY106991       | 80%      | 100%           | 78.7%            |
| KPN300969     | PSY107666       | 80%      | 100%           | 78.7%            |
| KPN300969     | PSY101542       | 80%      | 100%           | 78.7%            |
| KPN300969     | SPA101643       | 96%      | 90.6%          | 98.9%            |
| KPN300969     | SPA103885       | 91%      | 100%           | 78.7%            |
| KPN300969     | SPA103853       | 92%      | 100%           | 78.7%            |
| KPN300969     | SAU302874       | 69%      | 100%           | 78.7%            |
| KPN300969     | SAU302816       | 69%      | 100%           | 78.7%            |
| KPN300969     | SAU302683       | 68%      | 76.0%          | 62.4%            |
| KPN300969     | SAU302807       | 69%      | 100%           | 78.7%            |
| KPN300969     | SAU301432       | 69%      | 100%           | 78.7%            |
| KPN300969     | SAU302626       | 69%      | 100%           | 78.7%            |
| KPN300969     | SEP201860       | 69%      | 100%           | 78.7%            |
| KPN300969     | SEP200476       | 69%      | 100%           | 78.7%            |
| KPN300969     | SEP201305       | 69%      | 100%           | 78.7%            |
| KPN300969     | SEP201812       | 69%      | 100%           | 78.7%            |
| KPN300969     | SEP201970       | 69%      | 100%           | 78.7%            |
| KPN300969     | SEP201855       | 69%      | 100%           | 78.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| KPN300969     | SHA102684       | 63%      | 57.3%          | 100%             |
| KPN300969     | SHA102720       | 69%      | 100%           | 78.7%            |
| KPN300969     | SMU101912       | 67%      | 100%           | 78.7%            |
| KPN300969     | SMU100576       | 67%      | 100%           | 78.7%            |
| KPN300969     | SMU101953       | 67%      | 100%           | 78.7%            |
| KPN300969     | SMU101883       | 67%      | 100%           | 78.7%            |
| KPN300969     | SMU101949       | 67%      | 100%           | 78.7%            |
| KPN300969     | SPN103672       | 68%      | 68.8%          | 100%             |
| KPN300969     | SPN102832       | 68%      | 100%           | 78.7%            |
| KPN300969     | SPY102630       | 69%      | 100%           | 78.7%            |
| KPN303445     | ABA100377       | 63%      | 85.5%          | 30.4%            |
| KPN303445     | BAN110462       | 54%      | 80.6%          | 29.0%            |
| KPN303445     | BAN105206       | 56%      | 80.6%          | 28.3%            |
| KPN303445     | BFR101067       | 46%      | 81.5%          | 28.1%            |
| KPN303445     | BPT100983       | 60%      | 84.7%          | 30.3%            |
| KPN303445     | BCE109754       | 59%      | 76.6%          | 90.7%            |
| KPN303445     | BFU102661       | 58%      | 90.3%          | 32.4%            |
| KPN303445     | BMA105286       | 56%      | 90.3%          | 31.7%            |
| KPN303445     | CJU100538       | 43%      | 75.8%          | 25.7%            |
| KPN303445     | CAC102220       | 51%      | 85.5%          | 30.5%            |
| KPN303445     | CBO103873       | 63%      | 80.6%          | 28.5%            |
| KPN303445     | CDF100218       | 55%      | 85.5%          | 30.5%            |
| KPN303445     | EBC102649       | 86%      | 100%           | 34.8%            |
| KPN303445     | EFA200438       | 57%      | 78.2%          | 27.7%            |
| KPN303445     | EFM100157       | 53%      | 71.0%          | 98.9%            |
| KPN303445     | ECO100397       | 88%      | 100%           | 34.8%            |
| KPN303445     | HIN100234       | 69%      | 87.9%          | 31.1%            |
| KPN303445     | HPY101045       | 39%      | 79.0%          | 27.5%            |
| KPN303445     | KPN304932       | 95%      | 100%           | 35.0%            |
| KPN303445     | KPN303445       | 100%     | 100%           | 100%             |
| KPN303445     | LPN100464       | 62%      | 84.7%          | 30.3%            |
| KPN303445     | LMO101436       | 58%      | 80.6%          | 28.9%            |
| KPN303445     | MCA100738       | 53%      | 91.9%          | 31.9%            |
| KPN303445     | NGO101626       | 56%      | 93.5%          | 32.9%            |
| KPN303445     | NME200555       | 60%      | 93.5%          | 32.9%            |
| KPN303445     | PMU100232       | 67%      | 94.4%          | 33.3%            |
| KPN303445     | PRT102078       | 87%      | 100%           | 34.7%            |
| KPN303445     | PAE203821       | 71%      | 88.7%          | 30.8%            |
| KPN303445     | PPU101525       | 70%      | 88.7%          | 30.7%            |
| KPN303445     | PSY103819       | 72%      | 88.7%          | 30.2%            |
| KPN303445     | SPA103215       | 89%      | 100%           | 53.7%            |
| KPN303445     | STY100393       | 89%      | 100%           | 35.0%            |
| KPN303445     | STM100064       | 90%      | 100%           | 35.0%            |
| KPN303445     | SAU801640       | 50%      | 85.5%          | 30.5%            |
| KPN303445     | SEP201597       | 51%      | 85.5%          | 30.5%            |
| KPN303445     | SHA100644       | 54%      | 80.6%          | 28.7%            |
| KPN303445     | SMU100783       | 53%      | 91.1%          | 31.6%            |
| KPN303445     | SPN401272       | 54%      | 82.3%          | 29.2%            |
| KPN303445     | SPY201071       | 57%      | 80.6%          | 28.9%            |
| KPN303445     | VCH100726       | 72%      | 91.1%          | 32.7%            |
| KPN303445     | YPS002552       | 76%      | 100%           | 34.8%            |
| PAE100416     | BPT102923       | 32%      | 47.1%          | 91.2%            |
| PAE100416     | CJU101231       | 28%      | 45.0%          | 87.6%            |
| PAE100416     | CDF101294       | 27%      | 76.7%          | 99.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE100416     | PAE100416       | 100%     | 100%           | 100%             |
| PAE100416     | PSY102925       | 71%      | 24.1%          | 10.0%            |
| PAE100416     | VCH101555       | 28%      | 50.2%          | 92.8%            |
| PAE103489     | PAE103489       | 100%     | 100%           | 100%             |
| PAE105557     | PRT103646       | 29%      | 82.8%          | 92.1%            |
| PAE105557     | PAE105557       | 100%     | 100%           | 100%             |
| PAE105557     | PSY108661       | 76%      | 97.8%          | 76.5%            |
| PAE105557     | VCH103214       | 34%      | 82.8%          | 96.5%            |
| PAE105774     | PAE105774       | 100%     | 100%           | 100%             |
| PAE106754     | PAE106754       | 100%     | 100%           | 100%             |
| PAE108022     | BMA109211       | 39%      | 99.6%          | 86.9%            |
| PAE108022     | KPN101409       | 34%      | 29.0%          | 89.9%            |
| PAE108022     | PAE108022       | 100%     | 100%           | 100%             |
| PAE109011     | ABA101540       | 47%      | 48.4%          | 100%             |
| PAE109011     | ABA103709       | 51%      | 100%           | 100%             |
| PAE109011     | BAN105335       | 27%      | 85.8%          | 85.1%            |
| PAE109011     | BAN107313       | 29%      | 86.8%          | 81.2%            |
| PAE109011     | BAN113265       | 29%      | 86.8%          | 81.2%            |
| PAE109011     | BFR106103       | 27%      | 98.9%          | 95.1%            |
| PAE109011     | BPT102239       | 70%      | 99.7%          | 100%             |
| PAE109011     | BCE106127       | 71%      | 98.4%          | 100%             |
| PAE109011     | BFU101538       | 73%      | 99.5%          | 99.7%            |
| PAE109011     | BMA102767       | 72%      | 99.5%          | 100%             |
| PAE109011     | CDP102956       | 28%      | 32.8%          | 29.4%            |
| PAE109011     | EBC101979       | 43%      | 98.4%          | 71.7%            |
| PAE109011     | ECO101573       | 42%      | 98.4%          | 71.6%            |
| PAE109011     | HIN101328       | 43%      | 98.9%          | 71.7%            |
| PAE109011     | HPY101378       | 22%      | 90.9%          | 85.3%            |
| PAE109011     | KPN105357       | 46%      | 39.8%          | 90.3%            |
| PAE109011     | LPN100345       | 44%      | 98.1%          | 96.3%            |
| PAE109011     | LMO100186       | 28%      | 95.2%          | 90.8%            |
| PAE109011     | MAV101641       | 49%      | 97.8%          | 97.3%            |
| PAE109011     | MBV102675       | 48%      | 97.3%          | 96.4%            |
| PAE109011     | MLP101560       | 49%      | 97.3%          | 96.2%            |
| PAE109011     | MTU200155       | 48%      | 97.3%          | 96.4%            |
| PAE109011     | NGO101564       | 44%      | 98.4%          | 71.3%            |
| PAE109011     | NME201088       | 45%      | 98.4%          | 71.3%            |
| PAE109011     | PMU100753       | 45%      | 98.4%          | 71.7%            |
| PAE109011     | PRT104233       | 45%      | 95.7%          | 69.5%            |
| PAE109011     | PAE109011       | 100%     | 100%           | 100%             |
| PAE109011     | PPU102936       | 84%      | 85.8%          | 99.7%            |
| PAE109011     | PSY103265       | 80%      | 95.7%          | 75.6%            |
| PAE109011     | SPA103434       | 41%      | 98.1%          | 71.7%            |
| PAE109011     | STY104366       | 43%      | 98.1%          | 71.5%            |
| PAE109011     | STM100178       | 43%      | 98.1%          | 71.5%            |
| PAE109011     | SAU801709       | 29%      | 92.2%          | 87.6%            |
| PAE109011     | SEP201723       | 28%      | 94.1%          | 90.6%            |
| PAE109011     | SHA100103       | 26%      | 57.3%          | 81.2%            |
| PAE109011     | SPN400854       | 32%      | 37.9%          | 100%             |
| PAE109011     | VCH103287       | 45%      | 98.4%          | 71.3%            |
| PAE109011     | YPS001876       | 44%      | 98.4%          | 71.9%            |
| PAE109154     | PAE109154       | 100%     | 100%           | 100%             |
| PAE109190     | PAE109190       | 100%     | 100%           | 100%             |
| PAE109190     | STY104341       | 39%      | 98.6%          | 96.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE109190     | UUR100217       | 31%      | 37.5%          | 39.1%            |
| PAE112443     | BCE110618       | 37%      | 67.2%          | 38.7%            |
| PAE112443     | BCE108668       | 37%      | 67.0%          | 37.7%            |
| PAE112443     | BCE104450       | 46%      | 88.4%          | 95.1%            |
| PAE112443     | BCE111308       | 44%      | 91.7%          | 58.5%            |
| PAE112443     | BFU102584       | 47%      | 69.6%          | 43.2%            |
| PAE112443     | BFU100791       | 44%      | 91.7%          | 53.7%            |
| PAE112443     | BFU107929       | 45%      | 98.3%          | 56.1%            |
| PAE112443     | BMA105820       | 43%      | 95.5%          | 42.6%            |
| PAE112443     | EBC102287       | 48%      | 65.8%          | 32.1%            |
| PAE112443     | ECO200602       | 41%      | 66.0%          | 43.8%            |
| PAE112443     | ECO202018       | 37%      | 92.9%          | 54.3%            |
| PAE112443     | ECO200236       | 37%      | 95.3%          | 54.6%            |
| PAE112443     | MAV100794       | 24%      | 19.1%          | 49.0%            |
| PAE112443     | PRT100729       | 36%      | 68.4%          | 40.3%            |
| PAE112443     | PRT101866       | 33%      | 71.0%          | 42.5%            |
| PAE112443     | PAE200091       | 68%      | 89.6%          | 57.5%            |
| PAE112443     | PAE200095       | 74%      | 90.8%          | 52.8%            |
| PAE112443     | PAE202683       | 99%      | 100%           | 58.4%            |
| PAE112443     | PPU110472       | 46%      | 97.2%          | 50.8%            |
| PAE112443     | SPA102886       | 42%      | 74.1%          | 45.3%            |
| PAE112443     | STY104093       | 43%      | 72.2%          | 41.4%            |
| PAE112443     | STM103805       | 43%      | 72.2%          | 41.4%            |
| PAE112443     | YPS000907       | 38%      | 62.3%          | 33.5%            |
| PAE112443     | YPS002993       | 33%      | 99.3%          | 49.0%            |
| PAE112443     | YPS002986       | 35%      | 92.5%          | 45.4%            |
| PAE112443     | YPS002861       | 34%      | 98.3%          | 55.6%            |
| PAE112443     | YPS002256       | 38%      | 98.1%          | 41.8%            |
| PAE200008     | ABA103575       | 53%      | 99.9%          | 99.7%            |
| PAE200008     | BPT101206       | 44%      | 99.4%          | 69.7%            |
| PAE200008     | BCE113806       | 49%      | 71.6%          | 98.2%            |
| PAE200008     | BFU101557       | 47%      | 99.0%          | 98.4%            |
| PAE200008     | BMA100998       | 48%      | 99.0%          | 99.7%            |
| PAE200008     | CJU101159       | 32%      | 99.3%          | 99.4%            |
| PAE200008     | CDF104028       | 35%      | 98.7%          | 98.5%            |
| PAE200008     | EBC104561       | 51%      | 99.9%          | 100%             |
| PAE200008     | EFA100798       | 35%      | 99.6%          | 99.4%            |
| PAE200008     | EFM100945       | 34%      | 99.1%          | 99.0%            |
| PAE200008     | ECO103481       | 51%      | 99.9%          | 99.9%            |
| PAE200008     | HIN100903       | 52%      | 99.9%          | 99.9%            |
| PAE200008     | HPY100956       | 30%      | 99.4%          | 99.3%            |
| PAE200008     | KPN303050       | 52%      | 99.9%          | 99.9%            |
| PAE200008     | LPN102108       | 47%      | 76.5%          | 97.6%            |
| PAE200008     | LMO101909       | 33%      | 97.7%          | 97.5%            |
| PAE200008     | MCA101554       | 49%      | 99.0%          | 99.1%            |
| PAE200008     | NGO101359       | 44%      | 100%           | 99.9%            |
| PAE200008     | NME200487       | 43%      | 100%           | 99.9%            |
| PAE200008     | PMU101102       | 53%      | 99.9%          | 99.9%            |
| PAE200008     | PRT101496       | 48%      | 99.9%          | 99.9%            |
| PAE200008     | PAE200008       | 100%     | 100%           | 100%             |
| PAE200008     | PPU102205       | 78%      | 100%           | 100%             |
| PAE200008     | PSY107524       | 77%      | 100%           | 100%             |
| PAE200008     | SPA102021       | 53%      | 73.2%          | 100%             |
| PAE200008     | STY100713       | 51%      | 99.9%          | 99.9%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200008     | SPN401327       | 35%      | 97.5%          | 97.3%            |
| PAE200008     | SPY201298       | 34%      | 97.7%          | 97.5%            |
| PAE200008     | VCH100020       | 50%      | 99.6%          | 99.6%            |
| PAE200008     | YPS003356       | 52%      | 99.9%          | 99.9%            |
| PAE200016     | BFR101549       | 32%      | 98.5%          | 99.8%            |
| PAE200016     | BPT100810       | 47%      | 100%           | 100%             |
| PAE200016     | CBO101759       | 30%      | 94.7%          | 42.1%            |
| PAE200016     | EBC103649       | 66%      | 98.7%          | 98.7%            |
| PAE200016     | ECO103213       | 65%      | 98.7%          | 98.7%            |
| PAE200016     | HIN100606       | 56%      | 99.8%          | 99.8%            |
| PAE200016     | KPN301224       | 66%      | 97.6%          | 82.8%            |
| PAE200016     | MAV100750       | 28%      | 95.8%          | 94.0%            |
| PAE200016     | MBV104023       | 29%      | 95.8%          | 93.2%            |
| PAE200016     | MTU202655       | 29%      | 95.8%          | 93.2%            |
| PAE200016     | NGO100419       | 49%      | 100%           | 99.8%            |
| PAE200016     | NME201669       | 49%      | 100%           | 99.8%            |
| PAE200016     | PMU101563       | 56%      | 99.8%          | 99.8%            |
| PAE200016     | PRT101765       | 64%      | 98.7%          | 98.7%            |
| PAE200016     | PAE200016       | 100%     | 100%           | 100%             |
| PAE200016     | PPU103624       | 85%      | 100%           | 100%             |
| PAE200016     | PSY106549       | 86%      | 95.4%          | 100%             |
| PAE200016     | PSY103526       | 85%      | 100%           | 100%             |
| PAE200016     | SPA104302       | 63%      | 98.7%          | 98.7%            |
| PAE200016     | STY101844       | 65%      | 98.7%          | 98.7%            |
| PAE200016     | STM102357       | 65%      | 98.7%          | 98.7%            |
| PAE200016     | SMU100461       | 26%      | 49.5%          | 100%             |
| PAE200016     | SPN400427       | 26%      | 95.2%          | 96.4%            |
| PAE200016     | SPY200238       | 22%      | 31.5%          | 64.3%            |
| PAE200016     | TPA100509       | 21%      | 48.4%          | 98.5%            |
| PAE200016     | VCH100043       | 66%      | 98.7%          | 98.7%            |
| PAE200016     | YPS002535       | 64%      | 98.7%          | 98.7%            |
| PAE200028     | BCE113981       | 32%      | 42.5%          | 70.1%            |
| PAE200028     | MAV105362       | 29%      | 44%            | 39.8%            |
| PAE200028     | PAE200028       | 100%     | 100%           | 100%             |
| PAE200091     | BFR100630       | 23%      | 90.8%          | 93.6%            |
| PAE200091     | BCE104450       | 42%      | 47.6%          | 78.1%            |
| PAE200091     | BCE111308       | 37%      | 87.9%          | 81.8%            |
| PAE200091     | BFU100791       | 38%      | 93.9%          | 86.8%            |
| PAE200091     | BFU107929       | 39%      | 94.7%          | 88.8%            |
| PAE200091     | BFU102584       | 40%      | 97.5%          | 96.7%            |
| PAE200091     | BMA105820       | 45%      | 93.3%          | 71.3%            |
| PAE200091     | EBC102287       | 42%      | 98.6%          | 73.9%            |
| PAE200091     | ECO200602       | 34%      | 80.9%          | 81.5%            |
| PAE200091     | ECO202018       | 32%      | 89.6%          | 80.0%            |
| PAE200091     | ECO200236       | 33%      | 86.2%          | 77.1%            |
| PAE200091     | PRT100729       | 30%      | 93.6%          | 84.0%            |
| PAE200091     | PRT101866       | 31%      | 97.4%          | 83.8%            |
| PAE200091     | PAE200095       | 77%      | 98.3%          | 95.0%            |
| PAE200091     | PAE202683       | 75%      | 98.1%          | 88.3%            |
| PAE200091     | PAE200091       | 100%     | 100%           | 100%             |
| PAE200091     | PPU110472       | 35%      | 92.7%          | 95.5%            |
| PAE200091     | SPA102886       | 38%      | 92.8%          | 84.1%            |
| PAE200091     | STY104093       | 37%      | 94.2%          | 83.8%            |
| PAE200091     | STM103805       | 37%      | 94.2%          | 83.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200091     | YPS002993       | 34%      | 87.7%          | 78.6%            |
| PAE200091     | YPS002986       | 33%      | 90.4%          | 74%              |
| PAE200091     | YPS002861       | 32%      | 89.7%          | 89.1%            |
| PAE200091     | YPS002256       | 35%      | 96.4%          | 68.0%            |
| PAE200095     | BFR100630       | 22%      | 76.5%          | 93.4%            |
| PAE200095     | BCE104450       | 44%      | 55.6%          | 93.0%            |
| PAE200095     | BCE111308       | 39%      | 97.3%          | 97.2%            |
| PAE200095     | BFU102584       | 39%      | 96.2%          | 91.7%            |
| PAE200095     | BFU100791       | 40%      | 83.4%          | 86.5%            |
| PAE200095     | BFU107929       | 38%      | 96.1%          | 96.4%            |
| PAE200095     | BMA105820       | 42%      | 97.2%          | 71.3%            |
| PAE200095     | CAC102754       | 24%      | 4.9%           | 15.0%            |
| PAE200095     | EBC102287       | 41%      | 89.7%          | 70.0%            |
| PAE200095     | ECO200602       | 35%      | 70.3%          | 81.8%            |
| PAE200095     | ECO202018       | 31%      | 93.8%          | 90.1%            |
| PAE200095     | ECO200236       | 32%      | 93.8%          | 91.3%            |
| PAE200095     | HIN101683       | 20%      | 23.2%          | 75.1%            |
| PAE200095     | LMO100934       | 23%      | 16.7%          | 15.5%            |
| PAE200095     | MCA100120       | 21%      | 26.0%          | 23.6%            |
| PAE200095     | PRT100729       | 28%      | 81.4%          | 81.1%            |
| PAE200095     | PRT101866       | 29%      | 95.0%          | 78.1%            |
| PAE200095     | PAE200091       | 77%      | 95.0%          | 98.3%            |
| PAE200095     | PAE202683       | 79%      | 88.5%          | 89.5%            |
| PAE200095     | PAE200095       | 100%     | 100%           | 100%             |
| PAE200095     | PPU110472       | 39%      | 82.5%          | 87.5%            |
| PAE200095     | SPA102886       | 38%      | 96.0%          | 83.4%            |
| PAE200095     | STY104093       | 39%      | 94.6%          | 84.4%            |
| PAE200095     | STM103805       | 39%      | 94.6%          | 84.4%            |
| PAE200095     | SEP103164       | 17%      | 27.3%          | 14.3%            |
| PAE200095     | SEP102883       | 18%      | 23.1%          | 82.0%            |
| PAE200095     | SEP102632       | 20%      | 22.8%          | 70%              |
| PAE200095     | YPS002993       | 35%      | 71.1%          | 71.9%            |
| PAE200095     | YPS002986       | 35%      | 92.8%          | 74.5%            |
| PAE200095     | YPS002256       | 34%      | 98.9%          | 68.3%            |
| PAE200095     | YPS002861       | 32%      | 94.2%          | 89.2%            |
| PAE200120     | BFR103502       | 25%      | 89.9%          | 88.8%            |
| PAE200120     | BCE110669       | 32%      | 96.5%          | 92.1%            |
| PAE200120     | BMA109531       | 31%      | 96.9%          | 96.5%            |
| PAE200120     | MAV105850       | 26%      | 90.8%          | 86.4%            |
| PAE200120     | MAV106443       | 27%      | 90.8%          | 87.8%            |
| PAE200120     | MAV106442       | 29%      | 94.7%          | 86.9%            |
| PAE200120     | PAE200120       | 100%     | 100%           | 100%             |
| PAE200120     | PPU110993       | 54%      | 99.1%          | 97.4%            |
| PAE200129     | ABA100663       | 54%      | 94.7%          | 96.8%            |
| PAE200129     | BAN112793       | 44%      | 93.5%          | 99.6%            |
| PAE200129     | BAN105954       | 47%      | 93.7%          | 95.7%            |
| PAE200129     | BCE106496       | 74%      | 54.5%          | 98.5%            |
| PAE200129     | BFU103366       | 46%      | 93.9%          | 97.0%            |
| PAE200129     | BMA102987       | 68%      | 96.4%          | 94.8%            |
| PAE200129     | CDP101008       | 38%      | 93.5%          | 94.5%            |
| PAE200129     | CDP101013       | 40%      | 93.3%          | 97.6%            |
| PAE200129     | ECO102608       | 66%      | 93.5%          | 95.1%            |
| PAE200129     | KPN301719       | 65%      | 94.3%          | 95.9%            |
| PAE200129     | MAV100658       | 47%      | 92.2%          | 95.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200129     | MBV103206       | 47%      | 87.8%          | 94.7%            |
| PAE200129     | MTU300544       | 47%      | 87.8%          | 94.7%            |
| PAE200129     | PAE200129       | 100%     | 100%           | 100%             |
| PAE200129     | PPU112081       | 70%      | 92.4%          | 98.6%            |
| PAE200129     | PSY103995       | 72%      | 91.2%          | 97.5%            |
| PAE200129     | SPA103001       | 64%      | 90.5%          | 100%             |
| PAE200129     | STY102685       | 67%      | 90.5%          | 92.1%            |
| PAE200129     | STM103155       | 67%      | 90.5%          | 92.1%            |
| PAE200141     | CJU100565       | 57%      | 82.2%          | 83.6%            |
| PAE200141     | CDP100699       | 61%      | 88.6%          | 87.2%            |
| PAE200141     | KPN105705       | 60%      | 47.3%          | 94.6%            |
| PAE200141     | MCA103117       | 66%      | 85.9%          | 69.6%            |
| PAE200141     | NGO100170       | 74%      | 89.6%          | 86.7%            |
| PAE200141     | PAE200141       | 100%     | 100%           | 100%             |
| PAE200143     | BAN102824       | 26%      | 77.2%          | 81.4%            |
| PAE200143     | BAN108591       | 28%      | 68.7%          | 87.1%            |
| PAE200143     | BAN101298       | 27%      | 87.2%          | 92.3%            |
| PAE200143     | BAN100879       | 30%      | 77.5%          | 80.1%            |
| PAE200143     | BAN106351       | 28%      | 87.2%          | 91.9%            |
| PAE200143     | BAN101130       | 28%      | 84.5%          | 86.0%            |
| PAE200143     | BCE109097       | 59%      | 35.0%          | 74.1%            |
| PAE200143     | BFU112499       | 40%      | 84.2%          | 86.6%            |
| PAE200143     | CJU100309       | 30%      | 76.3%          | 77.0%            |
| PAE200143     | CBO101782       | 26%      | 41.3%          | 47.4%            |
| PAE200143     | CDF101242       | 35%      | 93.3%          | 94.4%            |
| PAE200143     | CDP101180       | 37%      | 84.5%          | 88.8%            |
| PAE200143     | EBC102926       | 43%      | 93.0%          | 97.1%            |
| PAE200143     | EFA201622       | 39%      | 90.6%          | 91.4%            |
| PAE200143     | EFM100690       | 34%      | 91.2%          | 92.0%            |
| PAE200143     | ECO100641       | 42%      | 92.7%          | 97.4%            |
| PAE200143     | KPN304017       | 42%      | 93.0%          | 97.7%            |
| PAE200143     | MAV103964       | 28%      | 92.7%          | 95.1%            |
| PAE200143     | MBV100246       | 30%      | 92.4%          | 96.4%            |
| PAE200143     | MTU203347       | 30%      | 92.4%          | 96.4%            |
| PAE200143     | PMU101767       | 34%      | 94.2%          | 99.4%            |
| PAE200143     | PAE200143       | 100%     | 100%           | 100%             |
| PAE200143     | PPU103884       | 69%      | 97.3%          | 95.2%            |
| PAE200143     | PSY102601       | 67%      | 98.5%          | 99.7%            |
| PAE200143     | SPA102591       | 41%      | 92.7%          | 97.7%            |
| PAE200143     | STY101792       | 44%      | 92.7%          | 97.4%            |
| PAE200143     | STM100837       | 39%      | 93.9%          | 98.0%            |
| PAE200143     | SAU800243       | 34%      | 93.3%          | 98.1%            |
| PAE200143     | SEP202387       | 35%      | 83.9%          | 88.7%            |
| PAE200143     | SHA100447       | 33%      | 72.0%          | 89.5%            |
| PAE200183     | ABA100200       | 40%      | 97.8%          | 92.9%            |
| PAE200183     | ABA104644       | 43%      | 98.1%          | 93.0%            |
| PAE200183     | BFR10492        | 32%      | 95.0%          | 93.1%            |
| PAE200183     | BFR10093        | 23%      | 95.0%          | 93.3%            |
| PAE200183     | BFR10552        | 23%      | 96.3%          | 89.7%            |
| PAE200183     | BFR101385       | 24%      | 92.7%          | 91.2%            |
| PAE200183     | BFR103680       | 24%      | 95.3%          | 89.0%            |
| PAE200183     | BFR100208       | 24%      | 97.8%          | 84.9%            |
| PAE200183     | BFR10690        | 25%      | 95.5%          | 90.1%            |
| PAE200183     | BFR103079       | 26%      | 95.3%          | 89.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200183     | BFR10777        | 26%      | 95.1%          | 89.7%            |
| PAE200183     | BFR103945       | 29%      | 93.8%          | 86.4%            |
| PAE200183     | BFR104288       | 28%      | 95.5%          | 92.7%            |
| PAE200183     | BFR101904       | 30%      | 97.6%          | 88.6%            |
| PAE200183     | BPT102903       | 25%      | 94.0%          | 94.7%            |
| PAE200183     | BCE106187       | 38%      | 99.1%          | 91.5%            |
| PAE200183     | BFU113203       | 24%      | 94.2%          | 79.5%            |
| PAE200183     | ECO103713       | 25%      | 79.1%          | 61.7%            |
| PAE200183     | KPN306173       | 37%      | 98.1%          | 88.9%            |
| PAE200183     | MAV104946       | 66%      | 97.9%          | 97.4%            |
| PAE200183     | MBV100918       | 33%      | 95.7%          | 66.5%            |
| PAE200183     | MTU200708       | 31%      | 95.7%          | 67.5%            |
| PAE200183     | PRT102753       | 23%      | 97.2%          | 90.1%            |
| PAE200183     | PAE200183       | 100%     | 100%           | 100%             |
| PAE200183     | PPU106617       | 43%      | 99.6%          | 92.6%            |
| PAE200183     | SPA102897       | 25%      | 88.4%          | 90.8%            |
| PAE200183     | STY101070       | 26%      | 88.6%          | 81.7%            |
| PAE200183     | STM100785       | 26%      | 88.6%          | 81.7%            |
| PAE200217     | BPT102003       | 33%      | 99.0%          | 98.4%            |
| PAE200217     | BFU104326       | 40%      | 97.4%          | 96.4%            |
| PAE200217     | KPN304984       | 57%      | 96.4%          | 97.0%            |
| PAE200217     | PAE200217       | 100%     | 100%           | 100%             |
| PAE200217     | PPU101602       | 83%      | 98.0%          | 99.0%            |
| PAE200217     | SPN400828       | 27%      | 62.7%          | 65.2%            |
| PAE200217     | SPY102499       | 22%      | 95.8%          | 98.3%            |
| PAE200220     | BCE104168       | 59%      | 59.6%          | 96.5%            |
| PAE200220     | BCE110873       | 59%      | 98.0%          | 94.2%            |
| PAE200220     | PAE200220       | 100%     | 100%           | 100%             |
| PAE200220     | PPU108861       | 84%      | 100%           | 100%             |
| PAE200221     | KPN101222       | 26%      | 26.7%          | 58.9%            |
| PAE200221     | PAE200221       | 100%     | 100%           | 100%             |
| PAE200221     | YPS003120       | 56%      | 97.2%          | 100%             |
| PAE200232     | KPN303293       | 29%      | 81.2%          | 82.7%            |
| PAE200232     | KPN308873       | 33%      | 90.4%          | 94.6%            |
| PAE200232     | PAE200232       | 100%     | 100%           | 100%             |
| PAE200232     | PSY105603       | 32%      | 93.9%          | 97.4%            |
| PAE200264     | ABA102697       | 63%      | 100%           | 96.4%            |
| PAE200264     | BAN111116       | 51%      | 96.9%          | 99.6%            |
| PAE200264     | BAN113242       | 55%      | 97.7%          | 97.5%            |
| PAE200264     | BPT102162       | 66%      | 99.0%          | 97.8%            |
| PAE200264     | BCE104300       | 70%      | 99.4%          | 93.8%            |
| PAE200264     | BFU101276       | 62%      | 99.4%          | 92.1%            |
| PAE200264     | BFU100346       | 66%      | 99.4%          | 100%             |
| PAE200264     | BFU109581       | 69%      | 100%           | 99.4%            |
| PAE200264     | BMA108572       | 70%      | 99.4%          | 98.2%            |
| PAE200264     | CJU100455       | 39%      | 78.1%          | 95.9%            |
| PAE200264     | CAC103154       | 32%      | 96.3%          | 96.5%            |
| PAE200264     | CBO103360       | 36%      | 94.6%          | 94.2%            |
| PAE200264     | CDF103906       | 35%      | 94.4%          | 93.8%            |
| PAE200264     | CDP100105       | 44%      | 97.1%          | 94.0%            |
| PAE200264     | EBC101295       | 57%      | 67.7%          | 100%             |
| PAE200264     | ECO102606       | 81%      | 99.6%          | 99.8%            |
| PAE200264     | KPN301710       | 83%      | 99.6%          | 99.8%            |
| PAE200264     | LMO102125       | 49%      | 99.4%          | 99.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200264     | MCA100475       | 56%      | 97.9%          | 95.0%            |
| PAE200264     | MBV101411       | 37%      | 92.1%          | 97.6%            |
| PAE200264     | MLP101520       | 35%      | 93.2%          | 98.7%            |
| PAE200264     | NGO100472       | 62%      | 93.8%          | 92.6%            |
| PAE200264     | NME201555       | 63%      | 93.8%          | 95.0%            |
| PAE200264     | PMU101536       | 61%      | 99.4%          | 99.0%            |
| PAE200264     | PRT101070       | 59%      | 99.6%          | 99.8%            |
| PAE200264     | PAE200264       | 100%     | 100%           | 100%             |
| PAE200264     | PPU109991       | 88%      | 99.4%          | 99.6%            |
| PAE200264     | PSY107494       | 85%      | 99.4%          | 99.6%            |
| PAE200264     | PSY102991       | 85%      | 99.4%          | 99.6%            |
| PAE200264     | SPA100521       | 71%      | 92.8%          | 98.7%            |
| PAE200264     | STY102679       | 80%      | 99.6%          | 99.8%            |
| PAE200264     | STM103149       | 80%      | 99.6%          | 99.8%            |
| PAE200264     | SEP201912       | 36%      | 95.9%          | 97.1%            |
| PAE200264     | SHA102393       | 48%      | 95.2%          | 99.8%            |
| PAE200264     | SPN202499       | 32%      | 26.9%          | 93.8%            |
| PAE200264     | VCH101717       | 56%      | 99.2%          | 98.0%            |
| PAE200264     | YPS000392       | 43%      | 98.8%          | 97.6%            |
| PAE200303     | BPT101584       | 52%      | 88.2%          | 95.5%            |
| PAE200303     | BCE105599       | 55%      | 89.6%          | 94.5%            |
| PAE200303     | BFU102292       | 55%      | 92.4%          | 88.1%            |
| PAE200303     | BMA107415       | 53%      | 89.3%          | 94.9%            |
| PAE200303     | EBC101151       | 62%      | 84.8%          | 98.8%            |
| PAE200303     | ECO100833       | 63%      | 91.7%          | 94.3%            |
| PAE200303     | KPN302154       | 61%      | 92.4%          | 95.0%            |
| PAE200303     | NGO100725       | 48%      | 93.8%          | 94.6%            |
| PAE200303     | NME200757       | 47%      | 93.8%          | 94.6%            |
| PAE200303     | PAE200303       | 100%     | 100%           | 100%             |
| PAE200303     | PPU102821       | 88%      | 96.2%          | 93.6%            |
| PAE200303     | PSY102004       | 83%      | 100%           | 99.0%            |
| PAE200303     | SPA102370       | 62%      | 91.7%          | 95.0%            |
| PAE200303     | STY102478       | 62%      | 91.7%          | 94.3%            |
| PAE200303     | STM102603       | 62%      | 91.7%          | 94.3%            |
| PAE200303     | YPS001160       | 63%      | 91.7%          | 94.3%            |
| PAE200320     | BCE106256       | 60%      | 99.1%          | 99.4%            |
| PAE200320     | PAE200320       | 100%     | 100%           | 100%             |
| PAE200352     | ABA101148       | 74%      | 96.6%          | 99.7%            |
| PAE200352     | BAN107961       | 38%      | 94.6%          | 95.7%            |
| PAE200352     | BAN107556       | 49%      | 98.0%          | 98.6%            |
| PAE200352     | BFR12455        | 66%      | 98.2%          | 98.7%            |
| PAE200352     | BPT102335       | 72%      | 99.7%          | 99.7%            |
| PAE200352     | BCE110053       | 80%      | 99.8%          | 90.4%            |
| PAE200352     | BFU102555       | 73%      | 96.7%          | 98.8%            |
| PAE200352     | BMA108067       | 37%      | 98.0%          | 97.9%            |
| PAE200352     | CJU100013       | 46%      | 98.0%          | 99.1%            |
| PAE200352     | CAC101693       | 44%      | 92.8%          | 94.7%            |
| PAE200352     | CBO102730       | 35%      | 95.1%          | 94.4%            |
| PAE200352     | CDF100406       | 43%      | 96.2%          | 97.6%            |
| PAE200352     | CDP100193       | 66%      | 98.2%          | 98.9%            |
| PAE200352     | EBC103119       | 73%      | 95.8%          | 100%             |
| PAE200352     | ECO103685       | 73%      | 96.7%          | 99.5%            |
| PAE200352     | HIN100718       | 75%      | 99.7%          | 99.8%            |
| PAE200352     | KPN302046       | 74%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200352     | LMO100576       | 45%      | 98.0%          | 98.2%            |
| PAE200352     | MCA101145       | 72%      | 99.0%          | 99.2%            |
| PAE200352     | MAV103959       | 37%      | 60.9%          | 98.8%            |
| PAE200352     | MBV102695       | 39%      | 98.0%          | 96.3%            |
| PAE200352     | MLP101542       | 40%      | 98.0%          | 98.2%            |
| PAE200352     | MTU200188       | 39%      | 98.0%          | 96.3%            |
| PAE200352     | NGO100339       | 72%      | 99.8%          | 99.8%            |
| PAE200352     | NME201248       | 72%      | 99.8%          | 99.8%            |
| PAE200352     | PMU101625       | 77%      | 99.2%          | 99.5%            |
| PAE200352     | PRT104367       | 72%      | 100%           | 100%             |
| PAE200352     | PAE200352       | 100%     | 100%           | 100%             |
| PAE200352     | PPU102184       | 91%      | 100%           | 99.8%            |
| PAE200352     | PSY103562       | 90%      | 95.6%          | 99.3%            |
| PAE200352     | SPA102766       | 74%      | 88.9%          | 98.9%            |
| PAE200352     | STY102141       | 73%      | 100%           | 100%             |
| PAE200352     | STM101004       | 74%      | 100%           | 100%             |
| PAE200352     | SAU802053       | 44%      | 98.0%          | 98.4%            |
| PAE200352     | SEP201289       | 45%      | 98.0%          | 98.4%            |
| PAE200352     | SHA101345       | 44%      | 98.0%          | 98.4%            |
| PAE200352     | SMU101318       | 37%      | 98.7%          | 95.7%            |
| PAE200352     | SPN401932       | 37%      | 95.8%          | 94.2%            |
| PAE200352     | VCH100028       | 76%      | 100%           | 100%             |
| PAE200352     | YPS001655       | 73%      | 100%           | 100%             |
| PAE200372     | ABA102251       | 62%      | 74.7%          | 92.4%            |
| PAE200372     | BAN106145       | 44%      | 65.3%          | 98.1%            |
| PAE200372     | BAN102864       | 47%      | 65.7%          | 91.5%            |
| PAE200372     | BFR103244       | 52%      | 65.7%          | 95.0%            |
| PAE200372     | BPT103145       | 48%      | 84.8%          | 60.4%            |
| PAE200372     | BBU100076       | 36%      | 62.2%          | 98.2%            |
| PAE200372     | BCE109396       | 49%      | 76.9%          | 96.3%            |
| PAE200372     | BFU100592       | 47%      | 85.1%          | 89.7%            |
| PAE200372     | BMA103170       | 42%      | 93.4%          | 96.2%            |
| PAE200372     | CJU101131       | 40%      | 65.7%          | 97.6%            |
| PAE200372     | CPN200871       | 39%      | 62.9%          | 96.6%            |
| PAE200372     | CTR200202       | 36%      | 62.4%          | 97.2%            |
| PAE200372     | CAC103551       | 46%      | 66.2%          | 98.7%            |
| PAE200372     | CBO103745       | 46%      | 66.2%          | 98.7%            |
| PAE200372     | CDF101891       | 48%      | 65.9%          | 70.0%            |
| PAE200372     | CDP101168       | 39%      | 91.9%          | 80.0%            |
| PAE200372     | EBC104170       | 51%      | 96.5%          | 99.2%            |
| PAE200372     | EFA201601       | 39%      | 93.4%          | 96.8%            |
| PAE200372     | EFM200001       | 47%      | 64.8%          | 89.8%            |
| PAE200372     | ECO103387       | 54%      | 24.4%          | 15.3%            |
| PAE200372     | HIN100748       | 65%      | 72.3%          | 78.3%            |
| PAE200372     | HPY100750       | 47%      | 44.8%          | 69.6%            |
| PAE200372     | KPN308256       | 56%      | 92.7%          | 84.4%            |
| PAE200372     | LMO101591       | 48%      | 65.9%          | 92.1%            |
| PAE200372     | MCA101469       | 64%      | 67.3%          | 97.8%            |
| PAE200372     | MAV103813       | 41%      | 86.4%          | 91.4%            |
| PAE200372     | MBV100063       | 39%      | 67.9%          | 84.0%            |
| PAE200372     | MLP100992       | 40%      | 87.0%          | 89.1%            |
| PAE200372     | MTU202883       | 41%      | 83.7%          | 85.5%            |
| PAE200372     | MGE100303       | 35%      | 64.6%          | 85.5%            |
| PAE200372     | MPN100416       | 36%      | 64.6%          | 85.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200372     | NGO101961       | 40%      | 68.8%          | 83.9%            |
| PAE200372     | NME200274       | 47%      | 94.5%          | 99.5%            |
| PAE200372     | PMU101519       | 51%      | 90.8%          | 94.8%            |
| PAE200372     | PRT100781       | 52%      | 53.0%          | 12.3%            |
| PAE200372     | PAE200372       | 100%     | 100%           | 100%             |
| PAE200372     | PPU102117       | 69%      | 99.6%          | 100%             |
| PAE200372     | PSY102772       | 66%      | 99.6%          | 99.6%            |
| PAE200372     | SPA100292       | 67%      | 52.5%          | 95.6%            |
| PAE200372     | STY101273       | 51%      | 96.5%          | 99.2%            |
| PAE200372     | SAU801235       | 46%      | 66.2%          | 72.8%            |
| PAE200372     | SEP201528       | 44%      | 66.2%          | 74.3%            |
| PAE200372     | SHA101742       | 44%      | 66.2%          | 74.4%            |
| PAE200372     | SMU100011       | 37%      | 93.2%          | 83.7%            |
| PAE200372     | SPN401122       | 43%      | 64.6%          | 69.4%            |
| PAE200372     | SPY200409       | 37%      | 91.9%          | 81.6%            |
| PAE200372     | TPA100571       | 34%      | 63.7%          | 98.0%            |
| PAE200372     | UUR100140       | 39%      | 65.3%          | 85.5%            |
| PAE200372     | VCH100146       | 61%      | 80.2%          | 92.1%            |
| PAE200372     | YPS000724       | 56%      | 92.1%          | 76.3%            |
| PAE200377     | ABA105983       | 46%      | 63.4%          | 68.4%            |
| PAE200377     | BFR100811       | 52%      | 49.8%          | 79.1%            |
| PAE200377     | BPT102427       | 37%      | 84.8%          | 94.2%            |
| PAE200377     | BCE107288       | 41%      | 80.2%          | 81.0%            |
| PAE200377     | BMA102568       | 41%      | 84.0%          | 80.9%            |
| PAE200377     | EBC104053       | 51%      | 86.0%          | 91.3%            |
| PAE200377     | ECO103138       | 51%      | 93.0%          | 93.0%            |
| PAE200377     | HIN100811       | 48%      | 79.4%          | 100%             |
| PAE200377     | KPN301886       | 50%      | 93.4%          | 93.8%            |
| PAE200377     | MCA100476       | 49%      | 60.1%          | 67.9%            |
| PAE200377     | NGO100783       | 36%      | 86.4%          | 95.3%            |
| PAE200377     | NME201967       | 36%      | 86.4%          | 95.3%            |
| PAE200377     | PMU100324       | 45%      | 94.7%          | 92.3%            |
| PAE200377     | PRT104291       | 40%      | 91.8%          | 96.6%            |
| PAE200377     | PAE200377       | 100%     | 100%           | 100%             |
| PAE200377     | PPU102113       | 76%      | 95.1%          | 97.9%            |
| PAE200377     | PSY106207       | 70%      | 93.4%          | 96.2%            |
| PAE200377     | SPA101398       | 50%      | 93.8%          | 94.6%            |
| PAE200377     | STY101521       | 53%      | 93.8%          | 93.8%            |
| PAE200377     | YPS002249       | 50%      | 84.0%          | 85.5%            |
| PAE200400     | ABA104096       | 39%      | 97.2%          | 98.5%            |
| PAE200400     | BAN105008       | 28%      | 94.1%          | 95.3%            |
| PAE200400     | BAN109895       | 33%      | 94.1%          | 93.2%            |
| PAE200400     | BPT102422       | 43%      | 89.8%          | 98.0%            |
| PAE200400     | BCE103736       | 45%      | 99.8%          | 99.5%            |
| PAE200400     | BFU104929       | 45%      | 99.8%          | 99.5%            |
| PAE200400     | BMA105735       | 46%      | 99.8%          | 99.5%            |
| PAE200400     | CJU101120       | 25%      | 88.4%          | 91.1%            |
| PAE200400     | CAC103721       | 30%      | 99.3%          | 99.3%            |
| PAE200400     | CBO101305       | 27%      | 98.6%          | 98.0%            |
| PAE200400     | CDF100578       | 32%      | 99.1%          | 99.3%            |
| PAE200400     | CDP100341       | 35%      | 89.6%          | 85.9%            |
| PAE200400     | EFA201088       | 31%      | 99.1%          | 98.4%            |
| PAE200400     | EFM200431       | 34%      | 96.7%          | 96.5%            |
| PAE200400     | HPY100262       | 24%      | 61.9%          | 66.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200400     | LMO102149       | 33%      | 98.6%          | 97.9%            |
| PAE200400     | MCA100879       | 40%      | 85.8%          | 90%              |
| PAE200400     | MAV103353       | 34%      | 99.3%          | 98.1%            |
| PAE200400     | MBV100044       | 34%      | 70.9%          | 96.5%            |
| PAE200400     | MLP100325       | 33%      | 100%           | 98.8%            |
| PAE200400     | MTU201364       | 34%      | 99.3%          | 98.1%            |
| PAE200400     | PAE200400       | 100%     | 100%           | 100%             |
| PAE200400     | PPU109222       | 80%      | 99.8%          | 99.8%            |
| PAE200400     | PSY103720       | 78%      | 99.5%          | 99.5%            |
| PAE200400     | SAU801201       | 32%      | 95.7%          | 96.0%            |
| PAE200400     | SEP201466       | 33%      | 91.0%          | 91.1%            |
| PAE200400     | SHA102128       | 32%      | 88.9%          | 89.2%            |
| PAE200400     | SMU101043       | 33%      | 98.8%          | 99.1%            |
| PAE200400     | SPN401053       | 32%      | 98.8%          | 99.1%            |
| PAE200400     | SPY200678       | 33%      | 99.1%          | 99.3%            |
| PAE200417     | PAE200417       | 100%     | 100%           | 100%             |
| PAE200418     | ABA103824       | 46%      | 95.4%          | 96.7%            |
| PAE200418     | BAN111901       | 29%      | 86.7%          | 87.6%            |
| PAE200418     | BAN112503       | 30%      | 86.7%          | 87.6%            |
| PAE200418     | BFR11658        | 28%      | 87.9%          | 91.7%            |
| PAE200418     | BPT105316       | 44%      | 98.8%          | 98.8%            |
| PAE200418     | BBU100357       | 20%      | 89.6%          | 89.3%            |
| PAE200418     | BCE109489       | 44%      | 97.1%          | 92.4%            |
| PAE200418     | BFU102739       | 40%      | 97.9%          | 99.2%            |
| PAE200418     | BMA109753       | 44%      | 97.1%          | 94.9%            |
| PAE200418     | CJU100145       | 23%      | 42.1%          | 42.2%            |
| PAE200418     | CAC100229       | 33%      | 85.8%          | 85.6%            |
| PAE200418     | CBO102235       | 34%      | 88.8%          | 87.5%            |
| PAE200418     | CDF103179       | 29%      | 95.8%          | 95.6%            |
| PAE200418     | CDP100554       | 30%      | 88.3%          | 85.7%            |
| PAE200418     | EBC103401       | 43%      | 99.2%          | 99.2%            |
| PAE200418     | EFA202205       | 28%      | 86.2%          | 87.2%            |
| PAE200418     | EFM202604       | 29%      | 97.5%          | 96.9%            |
| PAE200418     | ECO102881       | 46%      | 99.2%          | 95.6%            |
| PAE200418     | HIN100289       | 44%      | 99.2%          | 98.8%            |
| PAE200418     | HPY100370       | 23%      | 77.1%          | 79.2%            |
| PAE200418     | KPN302104       | 45%      | 99.2%          | 99.2%            |
| PAE200418     | LMO101841       | 27%      | 95.8%          | 95.3%            |
| PAE200418     | MCA100465       | 43%      | 95%            | 94.7%            |
| PAE200418     | MAV108579       | 31%      | 90.8%          | 90.1%            |
| PAE200418     | MBV102602       | 30%      | 86.2%          | 81.7%            |
| PAE200418     | MLP100391       | 35%      | 61.2%          | 61.9%            |
| PAE200418     | MTU202336       | 30%      | 86.2%          | 81.7%            |
| PAE200418     | NGO101375       | 41%      | 98.8%          | 99.6%            |
| PAE200418     | NME200491       | 40%      | 99.2%          | 100%             |
| PAE200418     | PMU101868       | 43%      | 99.2%          | 99.2%            |
| PAE200418     | PRT104576       | 44%      | 99.2%          | 99.2%            |
| PAE200418     | PAE200418       | 100%     | 100%           | 100%             |
| PAE200418     | PPU109349       | 81%      | 99.6%          | 100%             |
| PAE200418     | PSY103606       | 78%      | 99.6%          | 100%             |
| PAE200418     | SPA102541       | 44%      | 99.2%          | 94.1%            |
| PAE200418     | STY104567       | 46%      | 99.2%          | 99.2%            |
| PAE200418     | STM100579       | 46%      | 99.2%          | 93.1%            |
| PAE200418     | SAU801577       | 27%      | 95%            | 96%              |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200418     | SEP201048       | 28%      | 95%            | 94.9%            |
| PAE200418     | SHA100362       | 27%      | 95%            | 94.9%            |
| PAE200418     | SMU100650       | 25%      | 83.8%          | 85.0%            |
| PAE200418     | SPN401605       | 28%      | 86.2%          | 86.1%            |
| PAE200418     | SPY201527       | 27%      | 84.2%          | 84.7%            |
| PAE200418     | TPA100273       | 24%      | 96.2%          | 89.8%            |
| PAE200418     | UUR100303       | 22%      | 87.5%          | 89.7%            |
| PAE200418     | VCH100464       | 46%      | 99.2%          | 99.2%            |
| PAE200418     | YPS000221       | 44%      | 99.2%          | 99.2%            |
| PAE200422     | ABA100380       | 36%      | 86.9%          | 84.7%            |
| PAE200422     | BPT101828       | 29%      | 99.0%          | 87.7%            |
| PAE200422     | BCE111648       | 31%      | 99.5%          | 90.6%            |
| PAE200422     | BFU102154       | 30%      | 99.5%          | 100%             |
| PAE200422     | BFU105710       | 33%      | 97.4%          | 99.5%            |
| PAE200422     | BMA100207       | 32%      | 97.4%          | 99.5%            |
| PAE200422     | CJU100388       | 29%      | 97.4%          | 96.8%            |
| PAE200422     | CDP101088       | 34%      | 81.2%          | 89.2%            |
| PAE200422     | EBC101391       | 77%      | 92.1%          | 92.1%            |
| PAE200422     | ECO101029       | 74%      | 99.5%          | 99.5%            |
| PAE200422     | HPY101268       | 31%      | 95.3%          | 98.4%            |
| PAE200422     | KPN301643       | 32%      | 97.4%          | 86.0%            |
| PAE200422     | LPN101900       | 34%      | 95.3%          | 89.8%            |
| PAE200422     | LMO101787       | 41%      | 71.2%          | 78.4%            |
| PAE200422     | MCA101994       | 31%      | 68.6%          | 69.3%            |
| PAE200422     | MAV105031       | 35%      | 52.9%          | 59.0%            |
| PAE200422     | NGO100068       | 27%      | 99.5%          | 100%             |
| PAE200422     | NME201326       | 32%      | 72.8%          | 71.7%            |
| PAE200422     | PRT105086       | 63%      | 100%           | 99.5%            |
| PAE200422     | PAE200422       | 100%     | 100%           | 100%             |
| PAE200422     | PPU104691       | 60%      | 100%           | 99.5%            |
| PAE200422     | PSY103584       | 61%      | 100%           | 99.5%            |
| PAE200422     | SPA101096       | 72%      | 84.3%          | 96.4%            |
| PAE200422     | STY102481       | 75%      | 99.5%          | 99.5%            |
| PAE200422     | SAU802687       | 32%      | 74.3%          | 81.3%            |
| PAE200422     | SEP202168       | 32%      | 76.4%          | 83.6%            |
| PAE200422     | SHA100482       | 35%      | 71.2%          | 77.8%            |
| PAE200422     | VCH103263       | 52%      | 99.5%          | 100%             |
| PAE200422     | YPS001906       | 77%      | 99.5%          | 99.0%            |
| PAE200423     | BFR104914       | 29%      | 64.6%          | 64.2%            |
| PAE200423     | BFR104105       | 29%      | 63.9%          | 64.4%            |
| PAE200423     | BPT100831       | 30%      | 76.9%          | 63.8%            |
| PAE200423     | ECO203613       | 32%      | 83.7%          | 81.5%            |
| PAE200423     | KPN303823       | 30%      | 87.1%          | 91.9%            |
| PAE200423     | PAE200423       | 100%     | 100%           | 100%             |
| PAE200423     | SPA102684       | 30%      | 83.7%          | 88.8%            |
| PAE200423     | STY103394       | 30%      | 83.7%          | 88.8%            |
| PAE200425     | ABA101792       | 58%      | 98.7%          | 98.8%            |
| PAE200425     | BPT100257       | 71%      | 98.7%          | 97.5%            |
| PAE200425     | BCE114545       | 69%      | 24.0%          | 85.5%            |
| PAE200425     | BCE104032       | 64%      | 98.9%          | 97.1%            |
| PAE200425     | BFU105569       | 64%      | 98.9%          | 96.8%            |
| PAE200425     | BMA106830       | 64%      | 98.9%          | 97.1%            |
| PAE200425     | EBC103991       | 70%      | 99.7%          | 99.8%            |
| PAE200425     | ECO100453       | 70%      | 98.6%          | 98.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200425     | KPN303893       | 70%      | 99.7%          | 99.2%            |
| PAE200425     | MCA100461       | 56%      | 99.8%          | 99.5%            |
| PAE200425     | NGO100607       | 49%      | 99.6%          | 98.5%            |
| PAE200425     | NME201818       | 49%      | 99.7%          | 98.6%            |
| PAE200425     | PRT104879       | 64%      | 98.6%          | 98.4%            |
| PAE200425     | PAE200425       | 100%     | 100%           | 100%             |
| PAE200425     | PPU101135       | 78%      | 99.7%          | 99.2%            |
| PAE200425     | PSY103933       | 79%      | 100%           | 100%             |
| PAE200425     | SPA101524       | 67%      | 71.3%          | 100%             |
| PAE200425     | STY100789       | 69%      | 99.7%          | 99.8%            |
| PAE200425     | STM102325       | 67%      | 98.6%          | 99.5%            |
| PAE200425     | YPS001789       | 68%      | 98.6%          | 98.3%            |
| PAE200459     | PAE200459       | 100%     | 100%           | 100%             |
| PAE200459     | PPU107387       | 44%      | 90.6%          | 92.1%            |
| PAE200459     | PSY102781       | 48%      | 35.4%          | 95.8%            |
| PAE200459     | VCH102532       | 31%      | 91.7%          | 97.5%            |
| PAE200461     | PAE200461       | 100%     | 100%           | 100%             |
| PAE200461     | PPU107389       | 65%      | 71.8%          | 100%             |
| PAE200461     | PSY102777       | 60%      | 71.8%          | 100%             |
| PAE200468     | BAN113291       | 18%      | 45.6%          | 55.8%            |
| PAE200468     | CDF104086       | 24%      | 94.7%          | 92.7%            |
| PAE200468     | MAV106504       | 25%      | 43.2%          | 36.3%            |
| PAE200468     | PAE200468       | 100%     | 100%           | 100%             |
| PAE200468     | PSY107961       | 28%      | 32.6%          | 52.5%            |
| PAE200468     | SPN401648       | 30%      | 21.1%          | 36.0%            |
| PAE200471     | PAE200471       | 100%     | 100%           | 100%             |
| PAE200471     | PPU105108       | 78%      | 99.4%          | 99.4%            |
| PAE200471     | PSY102765       | 76%      | 99.4%          | 99.4%            |
| PAE200485     | BAN101805       | 24%      | 83.6%          | 87.3%            |
| PAE200485     | BCE107575       | 54%      | 98.8%          | 94.8%            |
| PAE200485     | BFU100736       | 52%      | 98.1%          | 90.0%            |
| PAE200485     | BMA104037       | 53%      | 98.1%          | 93.4%            |
| PAE200485     | EBC101352       | 42%      | 98.5%          | 96.6%            |
| PAE200485     | ECO103766       | 42%      | 98.5%          | 96.6%            |
| PAE200485     | KPN300972       | 45%      | 98.5%          | 96.6%            |
| PAE200485     | PRT101378       | 40%      | 99.4%          | 97.3%            |
| PAE200485     | PAE200485       | 100%     | 100%           | 100%             |
| PAE200485     | PPU105090       | 80%      | 100%           | 100%             |
| PAE200485     | PSY103362       | 75%      | 100%           | 100%             |
| PAE200485     | SPA103893       | 43%      | 98.5%          | 96.6%            |
| PAE200485     | STY103453       | 43%      | 98.5%          | 96.6%            |
| PAE200485     | STM101489       | 43%      | 98.5%          | 96.6%            |
| PAE200485     | VCH100035       | 50%      | 98.5%          | 93.2%            |
| PAE200485     | YPS001282       | 46%      | 98.5%          | 96.6%            |
| PAE200505     | ABA102651       | 60%      | 99.5%          | 99.8%            |
| PAE200505     | ABA104246       | 67%      | 99.5%          | 99.8%            |
| PAE200505     | BCE106981       | 61%      | 99.3%          | 100%             |
| PAE200505     | BFU110929       | 59%      | 99.3%          | 100%             |
| PAE200505     | BMA107416       | 61%      | 99.3%          | 100%             |
| PAE200505     | PAE200505       | 100%     | 100%           | 100%             |
| PAE200505     | PPU105062       | 90%      | 100%           | 100%             |
| PAE200505     | PSY103320       | 88%      | 100%           | 100%             |
| PAE200547     | ABA100381       | 70%      | 99.2%          | 98.9%            |
| PAE200547     | BAN111549       | 51%      | 52.3%          | 92.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200547     | BAN102492       | 50%      | 98.5%          | 96.5%            |
| PAE200547     | BFR11813        | 38%      | 98.6%          | 98.5%            |
| PAE200547     | BPT100911       | 62%      | 98.6%          | 98.4%            |
| PAE200547     | BCE113404       | 64%      | 98.6%          | 95.9%            |
| PAE200547     | BFU111408       | 60%      | 99.8%          | 98.2%            |
| PAE200547     | BMA106204       | 64%      | 98.6%          | 95.9%            |
| PAE200547     | CJU101551       | 45%      | 98.0%          | 98.1%            |
| PAE200547     | CPN200956       | 45%      | 97.6%          | 97.0%            |
| PAE200547     | CTR200126       | 45%      | 97.6%          | 96.8%            |
| PAE200547     | CAC101106       | 48%      | 98.8%          | 98.5%            |
| PAE200547     | CAC102328       | 49%      | 98.8%          | 98.5%            |
| PAE200547     | CDF103784       | 37%      | 40.9%          | 95.3%            |
| PAE200547     | CDP100257       | 44%      | 98.9%          | 95.9%            |
| PAE200547     | EBC103706       | 72%      | 99.7%          | 100%             |
| PAE200547     | EFA201838       | 50%      | 97.4%          | 98.8%            |
| PAE200547     | EFM100121       | 57%      | 24.5%          | 99.4%            |
| PAE200547     | ECO102870       | 72%      | 99.7%          | 100%             |
| PAE200547     | HIN101002       | 70%      | 99.7%          | 100%             |
| PAE200547     | HPY101071       | 42%      | 99.1%          | 98.0%            |
| PAE200547     | KPN303075       | 73%      | 99.7%          | 100%             |
| PAE200547     | LPN102231       | 73%      | 28.6%          | 99.5%            |
| PAE200547     | LPN102506       | 59%      | 95.2%          | 98.9%            |
| PAE200547     | LMO101346       | 49%      | 98.3%          | 98.5%            |
| PAE200547     | MCA100777       | 66%      | 99.4%          | 97.8%            |
| PAE200547     | MAV101560       | 43%      | 98.8%          | 96.1%            |
| PAE200547     | MBV100248       | 43%      | 98.8%          | 96.1%            |
| PAE200547     | MLP100366       | 43%      | 98.8%          | 96.1%            |
| PAE200547     | MTU201430       | 43%      | 98.8%          | 96.1%            |
| PAE200547     | MGE100068       | 33%      | 98.2%          | 98.9%            |
| PAE200547     | MPN100073       | 35%      | 98.2%          | 98.9%            |
| PAE200547     | NGO100398       | 63%      | 98.6%          | 99.4%            |
| PAE200547     | NME201529       | 63%      | 98.6%          | 99.4%            |
| PAE200547     | PMU101242       | 69%      | 99.7%          | 100%             |
| PAE200547     | PMU101638       | 69%      | 99.7%          | 100%             |
| PAE200547     | PRT102791       | 70%      | 99.8%          | 100%             |
| PAE200547     | PAE200547       | 100%     | 100%           | 100%             |
| PAE200547     | PPU104660       | 85%      | 100%           | 100%             |
| PAE200547     | PSY103014       | 82%      | 97.3%          | 100%             |
| PAE200547     | SPA101296       | 71%      | 99.7%          | 100%             |
| PAE200547     | STY104533       | 72%      | 99.7%          | 100%             |
| PAE200547     | STM101336       | 66%      | 99.4%          | 99.2%            |
| PAE200547     | SAU801342       | 47%      | 97.4%          | 97.6%            |
| PAE200547     | SEP202003       | 48%      | 98.3%          | 98.5%            |
| PAE200547     | SHA100863       | 42%      | 58.8%          | 98.2%            |
| PAE200547     | SMU101576       | 49%      | 98.3%          | 98.9%            |
| PAE200547     | SPN401839       | 50%      | 98.3%          | 98.9%            |
| PAE200547     | SPY201289       | 49%      | 98.3%          | 91.4%            |
| PAE200547     | TPA100554       | 44%      | 98.3%          | 98.2%            |
| PAE200547     | UUR100593       | 33%      | 97.4%          | 98.3%            |
| PAE200547     | VCH103347       | 71%      | 99.4%          | 97.4%            |
| PAE200547     | VCH100468       | 71%      | 99.7%          | 95.7%            |
| PAE200547     | YPS000208       | 72%      | 99.8%          | 100%             |
| PAE200599     | BAN105284       | 40%      | 10.7%          | 27.3%            |
| PAE200599     | BAN109052       | 30%      | 28.6%          | 65.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200599     | BFR101263       | 32%      | 26.7%          | 50.4%            |
| PAE200599     | BCE110035       | 27%      | 39.6%          | 37.8%            |
| PAE200599     | BCE110581       | 43%      | 17.8%          | 93.5%            |
| PAE200599     | BCE109908       | 34%      | 8.0%           | 29.3%            |
| PAE200599     | BFU103000       | 36%      | 7.9%           | 54.8%            |
| PAE200599     | BFU110023       | 31%      | 28.5%          | 46.9%            |
| PAE200599     | BFU101450       | 35%      | 39.1%          | 81.0%            |
| PAE200599     | BFU101254       | 34%      | 39.1%          | 72.5%            |
| PAE200599     | BFU103011       | 43%      | 11.0%          | 10.4%            |
| PAE200599     | BMA108967       | 38%      | 45.2%          | 100%             |
| PAE200599     | CAC101277       | 26%      | 26.1%          | 53.3%            |
| PAE200599     | CAC101211       | 28%      | 27.2%          | 55.2%            |
| PAE200599     | CBO100759       | 26%      | 25.8%          | 53.8%            |
| PAE200599     | CDF103262       | 24%      | 26.9%          | 52.8%            |
| PAE200599     | CDP101464       | 31%      | 28.1%          | 55.2%            |
| PAE200599     | EBC104374       | 32%      | 28.2%          | 43.5%            |
| PAE200599     | EFA200214       | 30%      | 29.0%          | 64.0%            |
| PAE200599     | ECO103589       | 30%      | 28.1%          | 43.3%            |
| PAE200599     | KPN306163       | 44%      | 7.3%           | 98.2%            |
| PAE200599     | KPN303671       | 31%      | 28.6%          | 44.2%            |
| PAE200599     | LMO101432       | 34%      | 25.5%          | 57.4%            |
| PAE200599     | MAV102424       | 30%      | 26.2%          | 48.8%            |
| PAE200599     | MBV102813       | 30%      | 26.2%          | 47.6%            |
| PAE200599     | MTU200836       | 30%      | 26.2%          | 48%              |
| PAE200599     | PMU101339       | 28%      | 28.1%          | 44.0%            |
| PAE200599     | PAE200599       | 100%     | 100%           | 100%             |
| PAE200599     | PPU107403       | 60%      | 60.0%          | 99.8%            |
| PAE200599     | PSY103327       | 61%      | 85.8%          | 98.2%            |
| PAE200599     | STY104108       | 30%      | 28.1%          | 43.4%            |
| PAE200599     | SAU802392       | 29%      | 25.3%          | 58.4%            |
| PAE200599     | SEP200985       | 26%      | 27.7%          | 63.8%            |
| PAE200599     | SHA102846       | 28%      | 25.6%          | 57.6%            |
| PAE200599     | SMU100517       | 27%      | 29.0%          | 52.0%            |
| PAE200599     | SPN400343       | 29%      | 25.8%          | 61.9%            |
| PAE200599     | SPY201249       | 27%      | 25.5%          | 60.5%            |
| PAE200641     | PAE200641       | 100%     | 100%           | 100%             |
| PAE200641     | PSY101969       | 26%      | 73.7%          | 80.9%            |
| PAE200641     | PSY107333       | 26%      | 73.7%          | 80.9%            |
| PAE200649     | ABA100544       | 57%      | 99.7%          | 99.1%            |
| PAE200649     | BAN101064       | 37%      | 93.7%          | 60.8%            |
| PAE200649     | BAN112001       | 38%      | 93.7%          | 61.9%            |
| PAE200649     | BPT101673       | 47%      | 97.4%          | 98.0%            |
| PAE200649     | BCE110439       | 50%      | 97.1%          | 97.7%            |
| PAE200649     | BFU102499       | 48%      | 97.4%          | 96.3%            |
| PAE200649     | BMA100765       | 51%      | 97.1%          | 97.7%            |
| PAE200649     | CJU100315       | 34%      | 92.8%          | 60.0%            |
| PAE200649     | CAC101973       | 43%      | 96.0%          | 99.7%            |
| PAE200649     | CBO103805       | 25%      | 38.7%          | 31.7%            |
| PAE200649     | CDP101553       | 37%      | 92.0%          | 93.5%            |
| PAE200649     | EBC101419       | 35%      | 58.5%          | 99.0%            |
| PAE200649     | EFA202356       | 30%      | 38.4%          | 30.7%            |
| PAE200649     | EFM201135       | 28%      | 37.5%          | 30.2%            |
| PAE200649     | ECO101234       | 37%      | 95.1%          | 61.4%            |
| PAE200649     | HIN101356       | 38%      | 81.9%          | 86.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200649     | HPY201197       | 34%      | 92.8%          | 95.2%            |
| PAE200649     | KPN301484       | 37%      | 95.1%          | 61.4%            |
| PAE200649     | LPN102404       | 39%      | 49.3%          | 92.8%            |
| PAE200649     | LMO102223       | 37%      | 95.4%          | 96.8%            |
| PAE200649     | MCA102436       | 51%      | 96.0%          | 97.1%            |
| PAE200649     | MAV103597       | 37%      | 90.3%          | 98.8%            |
| PAE200649     | MBV100592       | 39%      | 93.1%          | 97.3%            |
| PAE200649     | MLP100541       | 36%      | 95.7%          | 92.9%            |
| PAE200649     | MTU202158       | 39%      | 95.4%          | 90.8%            |
| PAE200649     | MGE100051       | 28%      | 41.5%          | 34.0%            |
| PAE200649     | MPN100090       | 24%      | 41.5%          | 34.0%            |
| PAE200649     | NGO100573       | 47%      | 96.0%          | 97.1%            |
| PAE200649     | NME201076       | 49%      | 95.7%          | 94.0%            |
| PAE200649     | PMU100581       | 34%      | 97.1%          | 100%             |
| PAE200649     | PRT101794       | 37%      | 94.8%          | 97.9%            |
| PAE200649     | PAE200649       | 100%     | 100%           | 100%             |
| PAE200649     | PPU107433       | 79%      | 99.4%          | 99.4%            |
| PAE200649     | PSY103388       | 80%      | 99.4%          | 98.3%            |
| PAE200649     | SPA102155       | 46%      | 51.3%          | 34.0%            |
| PAE200649     | STY103025       | 38%      | 95.1%          | 61.4%            |
| PAE200649     | STM101370       | 38%      | 95.1%          | 61.4%            |
| PAE200649     | SAU801369       | 33%      | 75.9%          | 78.9%            |
| PAE200649     | SEP202060       | 32%      | 74.8%          | 77.9%            |
| PAE200649     | SHA101690       | 35%      | 73.9%          | 75.4%            |
| PAE200649     | SMU100045       | 36%      | 95.7%          | 98.2%            |
| PAE200649     | SPN401633       | 38%      | 94.8%          | 97.6%            |
| PAE200649     | VCH101153       | 35%      | 93.1%          | 91.5%            |
| PAE200649     | YPS000872       | 38%      | 92.6%          | 95.2%            |
| PAE200654     | ABA100432       | 55%      | 97.2%          | 98.6%            |
| PAE200654     | BPT100695       | 49%      | 97.2%          | 94.1%            |
| PAE200654     | BCE104003       | 48%      | 94.9%          | 98.1%            |
| PAE200654     | BFU100819       | 49%      | 95.8%          | 99.1%            |
| PAE200654     | BMA101520       | 48%      | 94.4%          | 97.6%            |
| PAE200654     | LPN101162       | 52%      | 98.1%          | 89.5%            |
| PAE200654     | PAE200654       | 100%     | 100%           | 100%             |
| PAE200654     | PPU100606       | 82%      | 100%           | 100%             |
| PAE200654     | PSY103413       | 78%      | 100%           | 99.1%            |
| PAE200714     | BFR11272        | 26%      | 76.1%          | 61.1%            |
| PAE200714     | BCE112641       | 28%      | 61.6%          | 55.3%            |
| PAE200714     | LPN103222       | 25%      | 28.9%          | 18.0%            |
| PAE200714     | PAE200714       | 100%     | 100%           | 100%             |
| PAE200714     | PSY109012       | 25%      | 57.9%          | 46.3%            |
| PAE200714     | STY105129       | 24%      | 48.1%          | 58.8%            |
| PAE200714     | STM100550       | 26%      | 83.3%          | 88.6%            |
| PAE200714     | SAU802209       | 26%      | 68.2%          | 61.2%            |
| PAE200714     | SPN401981       | 22%      | 52.8%          | 51.8%            |
| PAE200714     | VCH102350       | 26%      | 86.8%          | 83.3%            |
| PAE200787     | BCE107623       | 44%      | 66.3%          | 98.9%            |
| PAE200787     | BFU112885       | 47%      | 93.0%          | 95.2%            |
| PAE200787     | PAE200787       | 100%     | 100%           | 100%             |
| PAE200787     | PPU101463       | 61%      | 94.0%          | 98.2%            |
| PAE200787     | PSY102362       | 62%      | 85.9%          | 99.8%            |
| PAE200787     | VCH101301       | 60%      | 96.1%          | 98.1%            |
| PAE200859     | PAE200859       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200859     | PSY103189       | 79%      | 93.6%          | 100%             |
| PAE200859     | VCH101476       | 53%      | 99.7%          | 97.5%            |
| PAE200875     | BCE101317       | 44%      | 67.2%          | 92.2%            |
| PAE200875     | BCE114418       | 59%      | 98.1%          | 98.4%            |
| PAE200875     | BFU115652       | 53%      | 97.5%          | 98.1%            |
| PAE200875     | BFU101358       | 61%      | 98.1%          | 98.7%            |
| PAE200875     | BMA101924       | 59%      | 97.5%          | 97.8%            |
| PAE200875     | PAE203892       | 68%      | 98.7%          | 97.8%            |
| PAE200875     | PAE200875       | 100%     | 100%           | 100%             |
| PAE200875     | PPU111797       | 67%      | 97.5%          | 97.1%            |
| PAE200875     | PSY101347       | 64%      | 97.5%          | 97.1%            |
| PAE200881     | BCE105039       | 71%      | 98.2%          | 99.7%            |
| PAE200881     | BFU101273       | 64%      | 98.2%          | 99.7%            |
| PAE200881     | BFU101687       | 70%      | 98.2%          | 99.7%            |
| PAE200881     | MAV101815       | 55%      | 97.5%          | 95.1%            |
| PAE200881     | MAV101169       | 55%      | 97.5%          | 97.5%            |
| PAE200881     | PAE200881       | 100%     | 100%           | 100%             |
| PAE200887     | CJU100684       | 32%      | 96.5%          | 98.8%            |
| PAE200887     | HIN101152       | 35%      | 97.3%          | 99.6%            |
| PAE200887     | LPN100743       | 21%      | 87.3%          | 88.1%            |
| PAE200887     | LPN101937       | 25%      | 86.5%          | 88.7%            |
| PAE200887     | LPN103487       | 25%      | 93.4%          | 98.3%            |
| PAE200887     | LPN103612       | 26%      | 95.8%          | 100%             |
| PAE200887     | LPN102814       | 29%      | 95.4%          | 98.4%            |
| PAE200887     | NGO100414       | 32%      | 97.3%          | 96.3%            |
| PAE200887     | NME201667       | 33%      | 97.3%          | 96.3%            |
| PAE200887     | PMU100124       | 37%      | 97.3%          | 99.6%            |
| PAE200887     | PRT100749       | 39%      | 96.9%          | 99.6%            |
| PAE200887     | PAE200887       | 100%     | 100%           | 100%             |
| PAE200887     | PPU108497       | 70%      | 99.2%          | 98.5%            |
| PAE200887     | PSY103164       | 69%      | 97.3%          | 99.2%            |
| PAE200887     | SMU100993       | 30%      | 91.1%          | 84.8%            |
| PAE200887     | SPN401352       | 28%      | 91.1%          | 84.5%            |
| PAE200887     | VCH101833       | 53%      | 99.2%          | 98.8%            |
| PAE200933     | ABA104498       | 45%      | 97.5%          | 95.7%            |
| PAE200933     | BAN100143       | 38%      | 97.5%          | 99.2%            |
| PAE200933     | BAN104454       | 43%      | 90.4%          | 92.2%            |
| PAE200933     | BFR11417        | 28%      | 90.4%          | 91.0%            |
| PAE200933     | BFR102852       | 32%      | 90.9%          | 91.2%            |
| PAE200933     | BPT100784       | 42%      | 97.1%          | 98.0%            |
| PAE200933     | BFU109134       | 43%      | 94.4%          | 96.8%            |
| PAE200933     | BMA102547       | 44%      | 89.7%          | 93.7%            |
| PAE200933     | CAC103418       | 37%      | 97.1%          | 99.1%            |
| PAE200933     | CDF100493       | 39%      | 90.8%          | 93.1%            |
| PAE200933     | CDP100429       | 37%      | 90.4%          | 90.2%            |
| PAE200933     | EBC100653       | 50%      | 66.0%          | 100%             |
| PAE200933     | ECO102724       | 46%      | 99.5%          | 99.5%            |
| PAE200933     | HIN100317       | 46%      | 99.5%          | 99.9%            |
| PAE200933     | KPN305176       | 46%      | 99.5%          | 99.5%            |
| PAE200933     | LPN101615       | 48%      | 99.5%          | 99.7%            |
| PAE200933     | LMO101019       | 42%      | 94.4%          | 95.7%            |
| PAE200933     | MCA102703       | 42%      | 97.5%          | 91.4%            |
| PAE200933     | NGO100663       | 42%      | 85.7%          | 86.4%            |
| PAE200933     | NME201839       | 40%      | 97.2%          | 93.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE200933     | PMU101865       | 50%      | 91.0%          | 92.6%            |
| PAE200933     | PRT105662       | 50%      | 90.5%          | 96.6%            |
| PAE200933     | PAE200933       | 100%     | 100%           | 100%             |
| PAE200933     | PPU104492       | 87%      | 100%           | 100%             |
| PAE200933     | PSY104524       | 88%      | 94.9%          | 99.7%            |
| PAE200933     | SPA106546       | 49%      | 90.4%          | 99.9%            |
| PAE200933     | STY103526       | 46%      | 99.5%          | 99.5%            |
| PAE200933     | SAU200831       | 40%      | 62.9%          | 99.4%            |
| PAE200933     | VCH102415       | 45%      | 99.5%          | 99.7%            |
| PAE200933     | YPS000132       | 47%      | 99.5%          | 99.5%            |
| PAE200937     | BFR101226       | 31%      | 12.2%          | 14.6%            |
| PAE200937     | BFU111116       | 35%      | 12.9%          | 7.5%             |
| PAE200937     | BFU110441       | 22%      | 93.7%          | 63.0%            |
| PAE200937     | BFU100854       | 22%      | 91.4%          | 61.9%            |
| PAE200937     | BFU105525       | 46%      | 65.2%          | 46.5%            |
| PAE200937     | BFU105499       | 21%      | 94.3%          | 63.6%            |
| PAE200937     | CAC101446       | 35%      | 8.8%           | 17.2%            |
| PAE200937     | EBC102060       | 21%      | 46.8%          | 58.0%            |
| PAE200937     | EBC103083       | 23%      | 93.9%          | 95.6%            |
| PAE200937     | ECO101986       | 21%      | 92.1%          | 90.8%            |
| PAE200937     | ECO100955       | 23%      | 93.0%          | 60.7%            |
| PAE200937     | KPN205236       | 22%      | 92.5%          | 61.4%            |
| PAE200937     | PAE203158       | 21%      | 93.4%          | 97.4%            |
| PAE200937     | PAE200937       | 100%     | 100%           | 100%             |
| PAE200937     | SPA109962       | 20%      | 93.0%          | 94.8%            |
| PAE200937     | STY103505       | 19%      | 93.0%          | 94.8%            |
| PAE200937     | STM101038       | 42%      | 9.7%           | 13.5%            |
| PAE200937     | SPN300328       | 41%      | 9.0%           | 17.8%            |
| PAE200937     | VCH100921       | 24%      | 90.3%          | 62.0%            |
| PAE200960     | PAE200960       | 100%     | 100%           | 100%             |
| PAE200960     | PPU108681       | 87%      | 100%           | 32.0%            |
| PAE200960     | PSY108388       | 88%      | 96.8%          | 100%             |
| PAE201018     | ABA103574       | 50%      | 92.7%          | 95.2%            |
| PAE201018     | ABA100187       | 53%      | 91.4%          | 94.3%            |
| PAE201018     | ABA104393       | 60%      | 90.9%          | 97.1%            |
| PAE201018     | EFM202262       | 29%      | 83.1%          | 95.8%            |
| PAE201018     | LMO100689       | 22%      | 89.1%          | 93.4%            |
| PAE201018     | PAE201018       | 100%     | 100%           | 100%             |
| PAE201049     | BAN103810       | 23%      | 96.8%          | 97.3%            |
| PAE201049     | BAN105027       | 24%      | 96.8%          | 95.7%            |
| PAE201049     | BPT104171       | 29%      | 58.6%          | 92.8%            |
| PAE201049     | CAC100096       | 36%      | 97.0%          | 98.3%            |
| PAE201049     | CDF103962       | 33%      | 13.0%          | 18.8%            |
| PAE201049     | EBC102485       | 35%      | 98.1%          | 98.2%            |
| PAE201049     | EFA201570       | 34%      | 94.1%          | 92.9%            |
| PAE201049     | EFM201338       | 38%      | 9.2%           | 11.9%            |
| PAE201049     | ECO100162       | 34%      | 98.1%          | 96.7%            |
| PAE201049     | HIN100092       | 31%      | 97.8%          | 99.2%            |
| PAE201049     | KPN302455       | 30%      | 93.2%          | 91.2%            |
| PAE201049     | KPN304182       | 34%      | 98.1%          | 93.8%            |
| PAE201049     | MBV105470       | 25%      | 84.3%          | 61.0%            |
| PAE201049     | MLP101005       | 39%      | 13.0%          | 11.6%            |
| PAE201049     | MTU201170       | 25%      | 83.8%          | 60.6%            |
| PAE201049     | PAE201049       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE201049     | PPU110875       | 50%      | 98.6%          | 99.2%            |
| PAE201049     | PSY105133       | 48%      | 98.6%          | 98.9%            |
| PAE201049     | SPA102655       | 34%      | 97.6%          | 100%             |
| PAE201049     | STY103841       | 34%      | 98.1%          | 98.2%            |
| PAE201049     | STM103214       | 34%      | 98.1%          | 98.2%            |
| PAE201049     | SPN400521       | 30%      | 22.4%          | 31.0%            |
| PAE201049     | SPY201519       | 35%      | 24.6%          | 30.1%            |
| PAE201049     | VCH103624       | 33%      | 97.6%          | 98.4%            |
| PAE201049     | YPS002528       | 34%      | 97.6%          | 98.1%            |
| PAE201071     | BPT100276       | 60%      | 98.8%          | 98.3%            |
| PAE201071     | BCE110485       | 61%      | 99.0%          | 73.1%            |
| PAE201071     | BFU101823       | 43%      | 75.1%          | 87.4%            |
| PAE201071     | BMA105366       | 45%      | 70.5%          | 49.6%            |
| PAE201071     | CJU100944       | 28%      | 74.8%          | 90.6%            |
| PAE201071     | EBC103800       | 61%      | 98.1%          | 96%              |
| PAE201071     | ECO103379       | 61%      | 98.1%          | 96%              |
| PAE201071     | KPN305392       | 57%      | 98.1%          | 96%              |
| PAE201071     | MBV101502       | 24%      | 34.8%          | 50.9%            |
| PAE201071     | MTU202080       | 24%      | 34.8%          | 44.8%            |
| PAE201071     | PAE201071       | 100%     | 100%           | 100%             |
| PAE201071     | PPU108646       | 72%      | 99.8%          | 99.8%            |
| PAE201071     | PSY107658       | 72%      | 99.8%          | 98.8%            |
| PAE201071     | SPA102828       | 60%      | 98.1%          | 100%             |
| PAE201071     | STY101281       | 61%      | 98.1%          | 96%              |
| PAE201071     | SMU100356       | 37%      | 74.6%          | 90.3%            |
| PAE201071     | SPN400661       | 35%      | 70.3%          | 82.7%            |
| PAE201071     | YPS000703       | 62%      | 98.1%          | 95.3%            |
| PAE201101     | BAN110183       | 26%      | 95.0%          | 96.7%            |
| PAE201101     | BAN101236       | 26%      | 95.0%          | 94.2%            |
| PAE201101     | BPT101088       | 47%      | 97.3%          | 97.9%            |
| PAE201101     | BBU100289       | 33%      | 96.7%          | 94.8%            |
| PAE201101     | BCE102065       | 50%      | 95.9%          | 97.9%            |
| PAE201101     | BFU109736       | 49%      | 96.4%          | 98.5%            |
| PAE201101     | BMA106485       | 49%      | 96.4%          | 98.5%            |
| PAE201101     | CJU100288       | 28%      | 97.3%          | 95.6%            |
| PAE201101     | CAC101627       | 31%      | 97.6%          | 97.6%            |
| PAE201101     | CBO102613       | 32%      | 97.6%          | 97.9%            |
| PAE201101     | CDF103872       | 31%      | 95.9%          | 91.0%            |
| PAE201101     | EBC103375       | 39%      | 63.9%          | 98.2%            |
| PAE201101     | ECO101904       | 44%      | 95.6%          | 97.6%            |
| PAE201101     | HPY100348       | 28%      | 95.3%          | 93.9%            |
| PAE201101     | LPN100162       | 50%      | 96.4%          | 99.1%            |
| PAE201101     | LMO100031       | 25%      | 94.7%          | 88.0%            |
| PAE201101     | MBV105615       | 31%      | 16.3%          | 36.9%            |
| PAE201101     | MTU302860       | 31%      | 16.3%          | 36.9%            |
| PAE201101     | PRT101679       | 46%      | 95.3%          | 97.0%            |
| PAE201101     | PAE201101       | 100%     | 100%           | 100%             |
| PAE201101     | PPU100917       | 85%      | 100%           | 100%             |
| PAE201101     | PSY104679       | 87%      | 100%           | 100%             |
| PAE201101     | SPA103596       | 43%      | 95.6%          | 97.6%            |
| PAE201101     | STY102811       | 44%      | 95.6%          | 97.6%            |
| PAE201101     | STM102557       | 44%      | 95.6%          | 97.6%            |
| PAE201101     | SAU103974       | 25%      | 37.9%          | 44.4%            |
| PAE201101     | TPA100396       | 34%      | 95.9%          | 92.0%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE201101     | VCH102099       | 58%      | 96.2%          | 93.1%            |
| PAE201101     | YPS001519       | 46%      | 97.0%          | 98.8%            |
| PAE201114     | BPT102842       | 31%      | 10.2%          | 14.9%            |
| PAE201114     | PAE201114       | 100%     | 100%           | 100%             |
| PAE201114     | PPU105635       | 60%      | 90.6%          | 95.8%            |
| PAE201114     | SPA101818       | 28%      | 18.1%          | 25.0%            |
| PAE201213     | BAN107739       | 26%      | 26.3%          | 26.8%            |
| PAE201213     | BAN103932       | 22%      | 65.2%          | 62.2%            |
| PAE201213     | BAN107109       | 25%      | 63.0%          | 76.8%            |
| PAE201213     | BAN100960       | 25%      | 63.0%          | 63.9%            |
| PAE201213     | BAN113506       | 24%      | 100%           | 99.7%            |
| PAE201213     | BPT100681       | 23%      | 89.5%          | 88.9%            |
| PAE201213     | BCE105004       | 25%      | 73.9%          | 67.5%            |
| PAE201213     | BMA107634       | 26%      | 95.9%          | 96.0%            |
| PAE201213     | BMA105016       | 28%      | 46.4%          | 44.5%            |
| PAE201213     | CAC102784       | 23%      | 46.4%          | 69.3%            |
| PAE201213     | CDF102844       | 22%      | 44.5%          | 41.3%            |
| PAE201213     | CDF103566       | 24%      | 50.2%          | 56.0%            |
| PAE201213     | CDP100362       | 22%      | 63.7%          | 60.3%            |
| PAE201213     | EBC101468       | 24%      | 62.8%          | 64.6%            |
| PAE201213     | ECO100657       | 25%      | 58.8%          | 60.1%            |
| PAE201213     | KPN301176       | 24%      | 62.8%          | 64.6%            |
| PAE201213     | LMO102179       | 21%      | 80.3%          | 80.7%            |
| PAE201213     | MAV102035       | 23%      | 99.8%          | 99.3%            |
| PAE201213     | MAV102951       | 25%      | 90.8%          | 89.0%            |
| PAE201213     | MBV100593       | 25%      | 90.8%          | 89.1%            |
| PAE201213     | MLP100532       | 24%      | 87.6%          | 82.3%            |
| PAE201213     | MTU202167       | 25%      | 90.8%          | 89.1%            |
| PAE201213     | PAE203457       | 27%      | 99.4%          | 99.8%            |
| PAE201213     | PAE202082       | 26%      | 100%           | 99.7%            |
| PAE201213     | PAE201213       | 100%     | 100%           | 100%             |
| PAE201213     | PPU102410       | 26%      | 95.1%          | 94.6%            |
| PAE201213     | PSY104352       | 26%      | 82.3%          | 82.1%            |
| PAE201213     | SPA101687       | 24%      | 62.8%          | 64.7%            |
| PAE201213     | STY101817       | 24%      | 62.8%          | 64.6%            |
| PAE201213     | VCH100974       | 24%      | 62.8%          | 64.6%            |
| PAE201213     | YPS001225       | 24%      | 58.8%          | 60.1%            |
| PAE201214     | PAE201214       | 100%     | 100%           | 100%             |
| PAE201267     | ABA101571       | 70%      | 99.7%          | 99.7%            |
| PAE201267     | BFR104350       | 27%      | 29.0%          | 20.0%            |
| PAE201267     | BCE100404       | 74%      | 99.4%          | 99.0%            |
| PAE201267     | BFU109424       | 64%      | 99.7%          | 98.4%            |
| PAE201267     | BMA105116       | 71%      | 99.4%          | 96.2%            |
| PAE201267     | PAE201267       | 100%     | 100%           | 100%             |
| PAE201267     | PPU108667       | 68%      | 99.4%          | 100%             |
| PAE201269     | ABA100407       | 25%      | 73.8%          | 76.7%            |
| PAE201269     | BAN107794       | 23%      | 22.5%          | 39.8%            |
| PAE201269     | BPT100464       | 31%      | 47.1%          | 96.0%            |
| PAE201269     | EBC101294       | 26%      | 74.7%          | 79.8%            |
| PAE201269     | ECO103170       | 27%      | 72.8%          | 77.3%            |
| PAE201269     | KPN302556       | 26%      | 71.6%          | 100%             |
| PAE201269     | NGO100793       | 28%      | 23.3%          | 40.8%            |
| PAE201269     | NME100236       | 27%      | 23.3%          | 79.5%            |
| PAE201269     | PAE203303       | 48%      | 94.8%          | 97.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE201269     | PAE201269       | 100%     | 100%           | 100%             |
| PAE201269     | PPU103463       | 48%      | 95.4%          | 97.9%            |
| PAE201269     | SPA106081       | 35%      | 17.7%          | 86.6%            |
| PAE201269     | STY101614       | 26%      | 72.8%          | 77.3%            |
| PAE201269     | SAU802511       | 20%      | 21.6%          | 23.4%            |
| PAE201269     | YPS003243       | 26%      | 73.5%          | 78.5%            |
| PAE201300     | MTU400006       | 29%      | 27.2%          | 15.1%            |
| PAE201300     | PRT104465       | 32%      | 95.1%          | 91.7%            |
| PAE201300     | PAE201300       | 100%     | 100%           | 100%             |
| PAE201300     | PPU103948       | 36%      | 94.5%          | 95.1%            |
| PAE201334     | BCE108299       | 55%      | 98.6%          | 92.7%            |
| PAE201334     | BFU109270       | 57%      | 98.6%          | 93.3%            |
| PAE201334     | BMA100022       | 56%      | 98.6%          | 93.6%            |
| PAE201334     | PAE201334       | 100%     | 100%           | 100%             |
| PAE201334     | PPU101491       | 81%      | 99.8%          | 95.9%            |
| PAE201334     | PSY105185       | 78%      | 99.8%          | 95.9%            |
| PAE201357     | BAN105778       | 52%      | 97.7%          | 94.8%            |
| PAE201357     | EFA200345       | 40%      | 92.4%          | 82.8%            |
| PAE201357     | LMO100185       | 29%      | 95.5%          | 93.3%            |
| PAE201357     | PAE201357       | 100%     | 100%           | 100%             |
| PAE201357     | SAU801207       | 39%      | 97.0%          | 95.5%            |
| PAE201357     | SEP201477       | 39%      | 97.0%          | 94.1%            |
| PAE201357     | SHA102134       | 39%      | 97.0%          | 94.8%            |
| PAE201359     | ABA100468       | 43%      | 91.2%          | 92.2%            |
| PAE201359     | BFU101121       | 37%      | 94.6%          | 93.6%            |
| PAE201359     | CTR100083       | 21%      | 62.0%          | 38.8%            |
| PAE201359     | CDP100085       | 37%      | 92.3%          | 89.9%            |
| PAE201359     | EBC100874       | 59%      | 75.8%          | 94.9%            |
| PAE201359     | ECO100789       | 63%      | 91.9%          | 92.5%            |
| PAE201359     | HIN100957       | 29%      | 53.2%          | 96.5%            |
| PAE201359     | KPN303560       | 61%      | 47.1%          | 90.9%            |
| PAE201359     | PRT102026       | 56%      | 92.3%          | 92.9%            |
| PAE201359     | PAE201359       | 100%     | 100%           | 100%             |
| PAE201359     | PPU111322       | 73%      | 99.3%          | 99.7%            |
| PAE201359     | PSY108044       | 67%      | 50.8%          | 99.3%            |
| PAE201359     | SPA101973       | 61%      | 89.6%          | 90.4%            |
| PAE201359     | STY102377       | 62%      | 91.9%          | 92.5%            |
| PAE201359     | SPN401301       | 25%      | 94.6%          | 91.5%            |
| PAE201359     | VCH101291       | 54%      | 91.6%          | 93.5%            |
| PAE201359     | YPS000331       | 64%      | 92.9%          | 93.6%            |
| PAE201361     | PAE202420       | 56%      | 93.5%          | 95.2%            |
| PAE201361     | PAE200818       | 88%      | 89.7%          | 91.8%            |
| PAE201361     | PAE201361       | 100%     | 100%           | 100%             |
| PAE201364     | ABA100603       | 50%      | 80.4%          | 100%             |
| PAE201364     | BFU109408       | 20%      | 83.0%          | 81.0%            |
| PAE201364     | NME101639       | 38%      | 37.1%          | 79.2%            |
| PAE201364     | PAE201364       | 100%     | 100%           | 100%             |
| PAE201381     | PAE201381       | 100%     | 100%           | 100%             |
| PAE201397     | PAE201397       | 100%     | 100%           | 100%             |
| PAE201449     | ABA104223       | 41%      | 90.5%          | 73.6%            |
| PAE201449     | BFR100551       | 27%      | 91.4%          | 88.3%            |
| PAE201449     | BPT105117       | 48%      | 96.2%          | 96%              |
| PAE201449     | BFU102990       | 44%      | 96.9%          | 96.8%            |
| PAE201449     | BMA108469       | 39%      | 95.0%          | 96.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE201449     | CAC102900       | 41%      | 11.5%          | 34.5%            |
| PAE201449     | CDF104552       | 56%      | 5.0%           | 1.8%             |
| PAE201449     | CDF102075       | 58%      | 8.6%           | 4.6%             |
| PAE201449     | EFA202220       | 25%      | 92.6%          | 91.1%            |
| PAE201449     | EFA201348       | 28%      | 84.7%          | 67.8%            |
| PAE201449     | ECO102718       | 42%      | 90.5%          | 85.0%            |
| PAE201449     | HIN101592       | 29%      | 21.0%          | 34.9%            |
| PAE201449     | MCA101084       | 33%      | 90.9%          | 71.0%            |
| PAE201449     | PMU100783       | 37%      | 89.5%          | 86.6%            |
| PAE201449     | PRT104476       | 52%      | 83.8%          | 92.7%            |
| PAE201449     | PAE200535       | 37%      | 96.7%          | 99.1%            |
| PAE201449     | PAE201450       | 43%      | 93.1%          | 85.2%            |
| PAE201449     | PAE201449       | 100%     | 100%           | 100%             |
| PAE201449     | PSY103957       | 33%      | 38.2%          | 67.1%            |
| PAE201449     | SPA102216       | 26%      | 37.5%          | 28.9%            |
| PAE201449     | STY101380       | 26%      | 37.5%          | 28.6%            |
| PAE201449     | SMU101492       | 62%      | 6.7%           | 3.6%             |
| PAE201449     | SPY100910       | 67%      | 7.2%           | 19.7%            |
| PAE201449     | TPA100555       | 30%      | 96.7%          | 98.2%            |
| PAE201449     | YPS002265       | 64%      | 6.7%           | 4.7%             |
| PAE201461     | KPN207142       | 32%      | 58.4%          | 41.2%            |
| PAE201461     | PAE201461       | 100%     | 100%           | 100%             |
| PAE201461     | PPU100210       | 80%      | 98.9%          | 100%             |
| PAE201461     | PSY104623       | 80%      | 100%           | 100%             |
| PAE201461     | SPA100137       | 31%      | 58.4%          | 65.8%            |
| PAE201461     | SEP100718       | 48%      | 11.8%          | 59.0%            |
| PAE201461     | VCH102029       | 52%      | 96.2%          | 97.3%            |
| PAE201492     | BFU105208       | 57%      | 96.4%          | 98.5%            |
| PAE201492     | CBO100983       | 25%      | 31.3%          | 35.7%            |
| PAE201492     | KPN104425       | 48%      | 96.1%          | 94.7%            |
| PAE201492     | MCA103697       | 51%      | 91.3%          | 84.1%            |
| PAE201492     | NGO101205       | 55%      | 91.3%          | 86.5%            |
| PAE201492     | NME201144       | 57%      | 91.3%          | 86.6%            |
| PAE201492     | PAE201492       | 100%     | 100%           | 100%             |
| PAE201492     | PPU107183       | 83%      | 99.4%          | 100%             |
| PAE201492     | PSY101812       | 84%      | 99.1%          | 99.1%            |
| PAE201492     | VCH100528       | 45%      | 98.8%          | 98.2%            |
| PAE201546     | CJU101409       | 29%      | 71.8%          | 73.5%            |
| PAE201546     | CAC102412       | 28%      | 88.5%          | 31.6%            |
| PAE201546     | CBO100775       | 30%      | 87.2%          | 31.4%            |
| PAE201546     | CDP100802       | 25%      | 96.0%          | 86.7%            |
| PAE201546     | HPY100848       | 27%      | 92.5%          | 81.7%            |
| PAE201546     | MCA100218       | 35%      | 91.2%          | 74.1%            |
| PAE201546     | MAV100546       | 28%      | 47.6%          | 24.0%            |
| PAE201546     | MBV103199       | 32%      | 59.9%          | 51.7%            |
| PAE201546     | MLP101432       | 32%      | 59.9%          | 51.1%            |
| PAE201546     | MTU200524       | 32%      | 59.9%          | 51.7%            |
| PAE201546     | NGO102048       | 44%      | 91.6%          | 87.5%            |
| PAE201546     | NME200893       | 43%      | 91.6%          | 94.6%            |
| PAE201546     | PAE201546       | 100%     | 100%           | 100%             |
| PAE201546     | PPU107249       | 84%      | 99.1%          | 94.1%            |
| PAE201546     | PSY104596       | 81%      | 100%           | 100%             |
| PAE201546     | VCH101414       | 42%      | 93.4%          | 94.6%            |
| PAE201633     | ABA101353       | 57%      | 93.9%          | 95.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE201633     | BAN101555       | 43%      | 94.5%          | 97.9%            |
| PAE201633     | BAN105989       | 54%      | 98.7%          | 98.3%            |
| PAE201633     | BFR10818        | 56%      | 94.6%          | 97.1%            |
| PAE201633     | BPT102676       | 59%      | 95.8%          | 94.9%            |
| PAE201633     | BFU100454       | 56%      | 53.9%          | 95.1%            |
| PAE201633     | BMA100646       | 58%      | 97.1%          | 96.1%            |
| PAE201633     | CJU100628       | 55%      | 94.2%          | 96.0%            |
| PAE201633     | CAC103333       | 55%      | 94.9%          | 96.6%            |
| PAE201633     | CDF103879       | 56%      | 95.2%          | 96.9%            |
| PAE201633     | EBC100702       | 59%      | 53.9%          | 99.7%            |
| PAE201633     | EFA201049       | 58%      | 95.5%          | 99.3%            |
| PAE201633     | ECO100680       | 60%      | 95.2%          | 97.5%            |
| PAE201633     | KPN302573       | 61%      | 95.8%          | 98.1%            |
| PAE201633     | LMO102824       | 58%      | 95.8%          | 99.1%            |
| PAE201633     | MAV101812       | 59%      | 95.5%          | 95.0%            |
| PAE201633     | MBV104268       | 62%      | 95.7%          | 95.3%            |
| PAE201633     | MTU201019       | 62%      | 95.7%          | 95.2%            |
| PAE201633     | PRT102410       | 58%      | 95.2%          | 98.0%            |
| PAE201633     | PAE201633       | 100%     | 100%           | 100%             |
| PAE201633     | PPU106277       | 83%      | 95.5%          | 100%             |
| PAE201633     | PSY105755       | 82%      | 99.3%          | 99.4%            |
| PAE201633     | SPA100439       | 48%      | 92.5%          | 99.1%            |
| PAE201633     | STY101874       | 62%      | 16.1%          | 0.7%             |
| PAE201633     | SAU802076       | 54%      | 94.5%          | 97.2%            |
| PAE201633     | SAU800073       | 53%      | 95.1%          | 97.8%            |
| PAE201633     | SEP200654       | 53%      | 95.1%          | 97.8%            |
| PAE201633     | YPS001489       | 62%      | 95.9%          | 98.3%            |
| PAE201635     | ABA101349       | 41%      | 98.2%          | 98.9%            |
| PAE201635     | BAN104051       | 34%      | 36.7%          | 89.6%            |
| PAE201635     | BAN104418       | 35%      | 39.2%          | 90.4%            |
| PAE201635     | BFR104660       | 38%      | 36.0%          | 86.1%            |
| PAE201635     | BPT102680       | 39%      | 96.5%          | 97.9%            |
| PAE201635     | BCE105311       | 53%      | 31.1%          | 96.5%            |
| PAE201635     | BFU106362       | 36%      | 99.0%          | 96.4%            |
| PAE201635     | BMA109180       | 37%      | 95.4%          | 96.5%            |
| PAE201635     | CJU100629       | 29%      | 64.4%          | 94.2%            |
| PAE201635     | CAC102578       | 32%      | 95.3%          | 96%              |
| PAE201635     | CDF101510       | 31%      | 96.4%          | 97.2%            |
| PAE201635     | EBC100704       | 60%      | 20.3%          | 94.7%            |
| PAE201635     | EFA201043       | 31%      | 95.9%          | 96.9%            |
| PAE201635     | ECO100678       | 37%      | 99.1%          | 98.8%            |
| PAE201635     | KPN302576       | 39%      | 98.8%          | 98.4%            |
| PAE201635     | LMO102587       | 34%      | 98.4%          | 99.1%            |
| PAE201635     | MAV100685       | 34%      | 95.9%          | 97.1%            |
| PAE201635     | MBV105633       | 32%      | 96.3%          | 95.1%            |
| PAE201635     | MTU201017       | 32%      | 96.3%          | 96.3%            |
| PAE201635     | PRT102408       | 36%      | 98.9%          | 98.3%            |
| PAE201635     | PAE201635       | 100%     | 100%           | 100%             |
| PAE201635     | PPU106251       | 77%      | 99.1%          | 99.3%            |
| PAE201635     | PSY105757       | 75%      | 99.1%          | 98.8%            |
| PAE201635     | SPA101261       | 36%      | 95.7%          | 96.9%            |
| PAE201635     | STY101872       | 38%      | 99.1%          | 98.8%            |
| PAE201635     | SAU802078       | 25%      | 93.9%          | 95.4%            |
| PAE201635     | SEP200656       | 25%      | 96.7%          | 95.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE201635     | VCH103256       | 29%      | 49.8%          | 87.5%            |
| PAE201635     | YPS001482       | 38%      | 98.4%          | 96.8%            |
| PAE201647     | BCE113538       | 47%      | 100%           | 98.8%            |
| PAE201647     | BMA108377       | 46%      | 100%           | 70.8%            |
| PAE201647     | MAV106640       | 49%      | 98.5%          | 97.6%            |
| PAE201647     | PAE201647       | 100%     | 100%           | 100%             |
| PAE201647     | PPU108291       | 75%      | 99.4%          | 99.7%            |
| PAE201647     | PSY104709       | 72%      | 83.5%          | 99.6%            |
| PAE201647     | SEP202022       | 46%      | 98.5%          | 98.5%            |
| PAE201672     | ABA100715       | 42%      | 92.2%          | 95.4%            |
| PAE201672     | BFU104942       | 21%      | 89.5%          | 78.0%            |
| PAE201672     | BFU103546       | 25%      | 89.5%          | 77.0%            |
| PAE201672     | CJU100214       | 23%      | 71.2%          | 83.5%            |
| PAE201672     | CJU101149       | 25%      | 75.2%          | 58.3%            |
| PAE201672     | CJU100045       | 22%      | 87.6%          | 62.1%            |
| PAE201672     | CAC103605       | 28%      | 79.1%          | 98.4%            |
| PAE201672     | CBO102253       | 28%      | 77.1%          | 90.5%            |
| PAE201672     | PAE201672       | 100%     | 100%           | 100%             |
| PAE201682     | BAN112162       | 33%      | 84.4%          | 94.5%            |
| PAE201682     | BAN100690       | 35%      | 96.6%          | 93.9%            |
| PAE201682     | BCE114068       | 34%      | 48.8%          | 46.2%            |
| PAE201682     | BFU110729       | 34%      | 50.2%          | 45.9%            |
| PAE201682     | BMA109731       | 33%      | 51.7%          | 48.8%            |
| PAE201682     | CAC101794       | 25%      | 90.7%          | 80.7%            |
| PAE201682     | CDF100738       | 23%      | 90.7%          | 81.6%            |
| PAE201682     | EBC102624       | 49%      | 100%           | 99.5%            |
| PAE201682     | EFA201423       | 27%      | 83.9%          | 74.2%            |
| PAE201682     | EFM200476       | 27%      | 87.3%          | 78.0%            |
| PAE201682     | ECO104088       | 26%      | 90.7%          | 81.6%            |
| PAE201682     | HIN100992       | 38%      | 47.3%          | 45.7%            |
| PAE201682     | KPN303365       | 46%      | 91.7%          | 93.1%            |
| PAE201682     | MAV102060       | 33%      | 47.3%          | 45.6%            |
| PAE201682     | PMU101364       | 33%      | 88.8%          | 82.4%            |
| PAE201682     | PAE201682       | 100%     | 100%           | 100%             |
| PAE201682     | PSY104696       | 83%      | 96.1%          | 96.6%            |
| PAE201682     | SPA102204       | 26%      | 90.7%          | 81.6%            |
| PAE201682     | STY103805       | 27%      | 90.7%          | 81.6%            |
| PAE201682     | STM103607       | 27%      | 90.7%          | 81.6%            |
| PAE201682     | SPN401842       | 26%      | 89.8%          | 79.5%            |
| PAE201682     | SPY200134       | 24%      | 89.8%          | 79.5%            |
| PAE201682     | VCH102977       | 25%      | 96.6%          | 87.0%            |
| PAE201682     | YPS000930       | 29%      | 91.2%          | 82.3%            |
| PAE201683     | BAN105931       | 34%      | 77.3%          | 87.6%            |
| PAE201683     | BAN103772       | 33%      | 81.8%          | 88.7%            |
| PAE201683     | EBC102621       | 59%      | 98.9%          | 99.4%            |
| PAE201683     | KPN303367       | 58%      | 98.9%          | 99.4%            |
| PAE201683     | LMO102700       | 24%      | 35.9%          | 46.3%            |
| PAE201683     | PAE201683       | 100%     | 100%           | 100%             |
| PAE201683     | PPU108285       | 39%      | 97.2%          | 96.6%            |
| PAE201683     | PSY108358       | 76%      | 100%           | 100%             |
| PAE201694     | ABA103532       | 92%      | 8.7%           | 17.7%            |
| PAE201694     | CPN201070       | 29%      | 27.4%          | 38.2%            |
| PAE201694     | CBO100345       | 57%      | 11.9%          | 20%              |
| PAE201694     | LMO101803       | 51%      | 9.8%           | 7.5%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE201694     | LMO101190       | 37%      | 6.2%           | 6.2%             |
| PAE201694     | MLP101111       | 27%      | 42.3%          | 15.9%            |
| PAE201694     | PAE201694       | 100%     | 100%           | 100%             |
| PAE201694     | TPA100365       | 26%      | 27.4%          | 36.4%            |
| PAE201697     | BPT100654       | 28%      | 89.6%          | 65.8%            |
| PAE201697     | KPN300973       | 31%      | 23.6%          | 93.3%            |
| PAE201697     | MTU400863       | 29%      | 41.7%          | 44.7%            |
| PAE201697     | PAE201697       | 100%     | 100%           | 100%             |
| PAE201697     | VCH100957       | 26%      | 34.7%          | 33.2%            |
| PAE201789     | ABA102113       | 50%      | 92.3%          | 92.5%            |
| PAE201789     | EBC102941       | 41%      | 96.1%          | 98.0%            |
| PAE201789     | KPN303487       | 40%      | 85.5%          | 97.4%            |
| PAE201789     | LPN102511       | 47%      | 95.2%          | 93.4%            |
| PAE201789     | MCA103692       | 47%      | 98.1%          | 84.6%            |
| PAE201789     | MAV102620       | 29%      | 45.9%          | 38.9%            |
| PAE201789     | MBV103483       | 29%      | 45.9%          | 40.3%            |
| PAE201789     | MTU203167       | 29%      | 45.9%          | 40.3%            |
| PAE201789     | PAE201789       | 100%     | 100%           | 100%             |
| PAE201789     | PPU106435       | 67%      | 98.6%          | 99.5%            |
| PAE201789     | PSY101610       | 64%      | 97.6%          | 97.6%            |
| PAE201789     | SPA102325       | 40%      | 95.7%          | 91.1%            |
| PAE201789     | STY103981       | 40%      | 95.7%          | 96.9%            |
| PAE201789     | STM104132       | 40%      | 95.7%          | 91.1%            |
| PAE201789     | VCH101880       | 42%      | 95.7%          | 95.3%            |
| PAE201862     | ABA101047       | 27%      | 99.2%          | 96.2%            |
| PAE201862     | BAN105541       | 21%      | 88.4%          | 96.6%            |
| PAE201862     | BAN109939       | 23%      | 89.6%          | 87.5%            |
| PAE201862     | BPT100554       | 71%      | 100%           | 100%             |
| PAE201862     | BCE105757       | 25%      | 98.8%          | 95.1%            |
| PAE201862     | BFU115748       | 27%      | 98.0%          | 98.4%            |
| PAE201862     | BMA106581       | 26%      | 98.4%          | 79.9%            |
| PAE201862     | CJU100272       | 30%      | 90.8%          | 92.0%            |
| PAE201862     | CAC101989       | 22%      | 94.4%          | 86.7%            |
| PAE201862     | CBO100532       | 25%      | 90.0%          | 83.0%            |
| PAE201862     | CDF103805       | 25%      | 90.0%          | 79.7%            |
| PAE201862     | EBC103502       | 30%      | 95.2%          | 94.6%            |
| PAE201862     | EFA202342       | 22%      | 96.8%          | 93.6%            |
| PAE201862     | ECO100739       | 30%      | 96.0%          | 95.3%            |
| PAE201862     | HIN101658       | 26%      | 98.0%          | 98.0%            |
| PAE201862     | HPY100469       | 38%      | 95.2%          | 95.5%            |
| PAE201862     | KPN305282       | 30%      | 95.6%          | 93.8%            |
| PAE201862     | LMO102303       | 24%      | 89.6%          | 87.1%            |
| PAE201862     | MCA103664       | 25%      | 100%           | 99.6%            |
| PAE201862     | MAV103940       | 25%      | 70.5%          | 68.2%            |
| PAE201862     | PMU100744       | 28%      | 96.4%          | 95.7%            |
| PAE201862     | PRT106098       | 27%      | 92.8%          | 91.8%            |
| PAE201862     | PAE201862       | 100%     | 100%           | 100%             |
| PAE201862     | PPU110058       | 78%      | 99.6%          | 99.6%            |
| PAE201862     | PSY105311       | 78%      | 97.2%          | 96.5%            |
| PAE201862     | SPA101802       | 28%      | 95.2%          | 94.5%            |
| PAE201862     | STY101969       | 30%      | 95.2%          | 94.6%            |
| PAE201862     | STM102049       | 30%      | 95.2%          | 94.6%            |
| PAE201862     | SAU702154       | 30%      | 89.6%          | 83.8%            |
| PAE201862     | SEP200352       | 27%      | 90.4%          | 84.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE201862     | SHA101556       | 30%      | 90.4%          | 83.3%            |
| PAE201862     | VCH103447       | 28%      | 99.6%          | 97.6%            |
| PAE201862     | YPS002108       | 29%      | 94.8%          | 92.7%            |
| PAE201867     | ABA103715       | 38%      | 81.4%          | 91.7%            |
| PAE201867     | CJU101390       | 28%      | 23.7%          | 40.9%            |
| PAE201867     | CPN200043       | 24%      | 71.5%          | 65.8%            |
| PAE201867     | CTR200045       | 27%      | 71.5%          | 90.0%            |
| PAE201867     | ECO103248       | 35%      | 78.5%          | 96.0%            |
| PAE201867     | KPN308865       | 34%      | 73.1%          | 88.0%            |
| PAE201867     | LPN100793       | 29%      | 72.9%          | 77.1%            |
| PAE201867     | MAV106092       | 31%      | 20.1%          | 51.4%            |
| PAE201867     | PAE203103       | 62%      | 79.3%          | 96.0%            |
| PAE201867     | PAE201867       | 100%     | 100%           | 100%             |
| PAE201867     | PPU112123       | 35%      | 73.3%          | 89.0%            |
| PAE201867     | YPS002899       | 30%      | 72.8%          | 88.1%            |
| PAE201875     | ABA100500       | 40%      | 88.8%          | 90.6%            |
| PAE201875     | BCE108691       | 42%      | 79.7%          | 89.8%            |
| PAE201875     | EBC104864       | 37%      | 91.8%          | 98.1%            |
| PAE201875     | ECO200539       | 41%      | 86.9%          | 87.8%            |
| PAE201875     | KPN203259       | 36%      | 89.9%          | 91.5%            |
| PAE201875     | LPN103614       | 37%      | 94.9%          | 99.1%            |
| PAE201875     | PRT103866       | 36%      | 86.2%          | 98.4%            |
| PAE201875     | PAE201875       | 100%     | 100%           | 100%             |
| PAE201875     | PPU104158       | 40%      | 89.2%          | 89.9%            |
| PAE201875     | SPA103678       | 34%      | 69.8%          | 94.4%            |
| PAE201875     | STY102615       | 39%      | 92.1%          | 93.3%            |
| PAE201875     | STM102511       | 39%      | 92.1%          | 92.3%            |
| PAE201875     | VCH103799       | 36%      | 95.3%          | 99.0%            |
| PAE201916     | BPT100584       | 59%      | 98.7%          | 96.5%            |
| PAE201916     | MBV100692       | 29%      | 29.8%          | 35.8%            |
| PAE201916     | MTU203452       | 29%      | 29.8%          | 35.8%            |
| PAE201916     | PAE201916       | 100%     | 100%           | 100%             |
| PAE201949     | BCE111412       | 37%      | 12.1%          | 15.9%            |
| PAE201949     | BFU100745       | 41%      | 86.2%          | 100%             |
| PAE201949     | NGO101993       | 23%      | 43.7%          | 53.8%            |
| PAE201949     | NME200998       | 24%      | 43.7%          | 53.6%            |
| PAE201949     | PAE201949       | 100%     | 100%           | 100%             |
| PAE201949     | PPU105633       | 63%      | 100%           | 100%             |
| PAE201962     | BAN100882       | 53%      | 87.9%          | 94.7%            |
| PAE201962     | BAN109532       | 49%      | 98.1%          | 63.2%            |
| PAE201962     | BFR10176        | 43%      | 99.0%          | 43.8%            |
| PAE201962     | BPT100336       | 66%      | 98.7%          | 39.5%            |
| PAE201962     | BBU100741       | 44%      | 99.4%          | 41.9%            |
| PAE201962     | BCE107353       | 67%      | 98.7%          | 42.0%            |
| PAE201962     | BFU101573       | 67%      | 98.7%          | 44.0%            |
| PAE201962     | BMA103267       | 67%      | 98.7%          | 44.0%            |
| PAE201962     | CJU100394       | 41%      | 98.5%          | 44%              |
| PAE201962     | CPN200741       | 42%      | 97.7%          | 42.5%            |
| PAE201962     | CTR200617       | 44%      | 97.5%          | 42.4%            |
| PAE201962     | CAC102468       | 47%      | 99.0%          | 44.6%            |
| PAE201962     | CBO103433       | 45%      | 99.0%          | 44.7%            |
| PAE201962     | CDF100968       | 43%      | 99.0%          | 43.6%            |
| PAE201962     | EBC102343       | 73%      | 98.7%          | 43.9%            |
| PAE201962     | EFA200654       | 47%      | 99.0%          | 43.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE201962     | EFM100463       | 47%      | 99.0%          | 48.0%            |
| PAE201962     | ECO100796       | 74%      | 98.7%          | 44.0%            |
| PAE201962     | HPY100840       | 44%      | 98.3%          | 43.7%            |
| PAE201962     | KPN302739       | 73%      | 98.7%          | 44.0%            |
| PAE201962     | LMO100778       | 47%      | 99.0%          | 44.1%            |
| PAE201962     | NGO100212       | 65%      | 98.7%          | 43.0%            |
| PAE201962     | NME201287       | 65%      | 98.7%          | 43.0%            |
| PAE201962     | PRT100022       | 72%      | 98.7%          | 43.8%            |
| PAE201962     | PAE201962       | 100%     | 100%           | 100%             |
| PAE201962     | PPU110733       | 87%      | 98.7%          | 44.1%            |
| PAE201962     | PSY102530       | 86%      | 99.6%          | 99.6%            |
| PAE201962     | SPA102072       | 72%      | 98.7%          | 43.9%            |
| PAE201962     | STY102394       | 73%      | 98.7%          | 43.9%            |
| PAE201962     | STM102165       | 73%      | 98.7%          | 44.0%            |
| PAE201962     | SAU801392       | 46%      | 99.0%          | 44.1%            |
| PAE201962     | SEP202098       | 46%      | 99.0%          | 43.9%            |
| PAE201962     | SHA100965       | 46%      | 99.0%          | 44.0%            |
| PAE201962     | SMU101414       | 48%      | 99.0%          | 43.6%            |
| PAE201962     | SPN402032       | 49%      | 99.0%          | 43.5%            |
| PAE201962     | SPY201692       | 49%      | 99.0%          | 43.6%            |
| PAE201962     | TPA100829       | 41%      | 98.1%          | 41.5%            |
| PAE201962     | VCH101496       | 72%      | 98.5%          | 43.8%            |
| PAE201962     | YPS002248       | 74%      | 98.7%          | 43.9%            |
| PAE201984     | ABA101046       | 59%      | 100%           | 100%             |
| PAE201984     | BCE110476       | 54%      | 100%           | 100%             |
| PAE201984     | BFU114715       | 58%      | 100%           | 100%             |
| PAE201984     | KPN303125       | 62%      | 100%           | 98.4%            |
| PAE201984     | PAE201984       | 100%     | 100%           | 100%             |
| PAE201984     | PPU105114       | 73%      | 100%           | 100%             |
| PAE201984     | PSY103348       | 73%      | 100%           | 100%             |
| PAE202012     | ABA104264       | 69%      | 99.4%          | 99.4%            |
| PAE202012     | BAN109082       | 33%      | 89.3%          | 93.8%            |
| PAE202012     | BAN113157       | 34%      | 91.6%          | 94.3%            |
| PAE202012     | BPT100027       | 69%      | 100%           | 99.6%            |
| PAE202012     | BCE102114       | 66%      | 83.4%          | 80.1%            |
| PAE202012     | BFU108040       | 55%      | 100%           | 100%             |
| PAE202012     | BFU100939       | 70%      | 100%           | 100%             |
| PAE202012     | BMA109362       | 69%      | 100%           | 100%             |
| PAE202012     | CDP101007       | 32%      | 94.6%          | 96.9%            |
| PAE202012     | LPN103200       | 72%      | 39.1%          | 100%             |
| PAE202012     | MAV101872       | 53%      | 100%           | 100%             |
| PAE202012     | MBV101169       | 68%      | 92.9%          | 94.0%            |
| PAE202012     | MLP100443       | 33%      | 94.8%          | 94.0%            |
| PAE202012     | MTU202465       | 69%      | 92.9%          | 94.0%            |
| PAE202012     | PAE202012       | 100%     | 100%           | 100%             |
| PAE202012     | PPU109611       | 85%      | 100%           | 100%             |
| PAE202012     | PSY102524       | 84%      | 100%           | 100%             |
| PAE202015     | BFU102868       | 24%      | 74.4%          | 32.7%            |
| PAE202015     | ECO104222       | 31%      | 81.9%          | 75.9%            |
| PAE202015     | MAV106780       | 29%      | 32.0%          | 11.0%            |
| PAE202015     | PAE200326       | 53%      | 99.4%          | 95.6%            |
| PAE202015     | PAE202015       | 100%     | 100%           | 100%             |
| PAE202015     | PPU102698       | 49%      | 94.8%          | 97%              |
| PAE202015     | PSY101958       | 50%      | 97.4%          | 94.9%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202015     | SPA109618       | 35%      | 94.5%          | 95.3%            |
| PAE202015     | SPA103949       | 33%      | 95.5%          | 96.2%            |
| PAE202015     | STY104382       | 35%      | 94.5%          | 95.4%            |
| PAE202015     | STY102402       | 33%      | 95.5%          | 91.4%            |
| PAE202015     | STM103048       | 33%      | 95.5%          | 91.4%            |
| PAE202034     | BFU100470       | 32%      | 32.4%          | 23.6%            |
| PAE202034     | BFU100218       | 37%      | 22.5%          | 16.3%            |
| PAE202034     | BFU108912       | 35%      | 22.5%          | 11.6%            |
| PAE202034     | PAE202034       | 100%     | 100%           | 100%             |
| PAE202081     | BFU112826       | 41%      | 99.5%          | 98.4%            |
| PAE202081     | PRT103731       | 35%      | 13.4%          | 21.9%            |
| PAE202081     | PAE202081       | 100%     | 100%           | 100%             |
| PAE202099     | BAN102239       | 27%      | 84.5%          | 89.2%            |
| PAE202099     | BAN102229       | 26%      | 84.5%          | 83.6%            |
| PAE202099     | BPT101798       | 25%      | 92.6%          | 92.2%            |
| PAE202099     | BMA107036       | 22%      | 99.3%          | 97.4%            |
| PAE202099     | CPN201045       | 22%      | 93.2%          | 92.8%            |
| PAE202099     | HIN100668       | 23%      | 74.7%          | 77.0%            |
| PAE202099     | KPN104728       | 40%      | 96.3%          | 90.5%            |
| PAE202099     | PAE202099       | 100%     | 100%           | 100%             |
| PAE202099     | SPA107137       | 37%      | 96.3%          | 93.8%            |
| PAE202099     | STY102110       | 37%      | 96.3%          | 93.8%            |
| PAE202099     | STM101956       | 37%      | 96.3%          | 93.8%            |
| PAE202099     | SAU502913       | 21%      | 66.2%          | 30.3%            |
| PAE202107     | BFU112376       | 30%      | 65.8%          | 23.6%            |
| PAE202107     | PAE202107       | 100%     | 100%           | 100%             |
| PAE202126     | BCE102426       | 31%      | 94.0%          | 82.2%            |
| PAE202126     | BFU103301       | 27%      | 91.8%          | 95.7%            |
| PAE202126     | BFU103226       | 34%      | 77.6%          | 85.5%            |
| PAE202126     | BFU103244       | 31%      | 93.4%          | 92.5%            |
| PAE202126     | EBC101693       | 34%      | 91.8%          | 93.3%            |
| PAE202126     | ECO201353       | 41%      | 91.8%          | 93.5%            |
| PAE202126     | KPN304723       | 31%      | 83.1%          | 91.9%            |
| PAE202126     | PRT103407       | 34%      | 95.1%          | 95.5%            |
| PAE202126     | PAE202126       | 100%     | 100%           | 100%             |
| PAE202126     | PSY103442       | 32%      | 81.4%          | 95%              |
| PAE202126     | SPA102574       | 32%      | 95.6%          | 96.1%            |
| PAE202126     | STY104474       | 32%      | 95.6%          | 96.1%            |
| PAE202126     | STM101008       | 27%      | 94.0%          | 91.9%            |
| PAE202126     | YPS002444       | 40%      | 85.2%          | 86.4%            |
| PAE202126     | YPS001577       | 43%      | 94.5%          | 97.7%            |
| PAE202145     | ABA103947       | 60%      | 98.4%          | 100%             |
| PAE202145     | BAN112207       | 48%      | 80.0%          | 84.9%            |
| PAE202145     | BAN103415       | 54%      | 95.5%          | 99.8%            |
| PAE202145     | BFU104726       | 62%      | 100%           | 100%             |
| PAE202145     | EBC102119       | 59%      | 99.2%          | 94.4%            |
| PAE202145     | ECO101700       | 59%      | 96.8%          | 91.9%            |
| PAE202145     | KPN302795       | 60%      | 96.8%          | 92.0%            |
| PAE202145     | MAV104721       | 54%      | 99.6%          | 99.0%            |
| PAE202145     | PAE202145       | 100%     | 100%           | 100%             |
| PAE202145     | PPU100583       | 66%      | 99.0%          | 98.7%            |
| PAE202145     | PSY101358       | 66%      | 80.3%          | 100%             |
| PAE202145     | SPA101365       | 60%      | 92.9%          | 99.4%            |
| PAE202145     | STY101168       | 59%      | 96.9%          | 92.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202179     | BPT100861       | 26%      | 81.7%          | 66.8%            |
| PAE202179     | BCE112269       | 24%      | 76.9%          | 76.5%            |
| PAE202179     | BFU106609       | 24%      | 74.5%          | 72.4%            |
| PAE202179     | BMA107163       | 23%      | 76.9%          | 76.5%            |
| PAE202179     | CDP101257       | 29%      | 75.3%          | 77.7%            |
| PAE202179     | EBC101642       | 26%      | 74.3%          | 75.7%            |
| PAE202179     | ECO100571       | 26%      | 74.3%          | 75.3%            |
| PAE202179     | KPN304370       | 25%      | 74.3%          | 75.5%            |
| PAE202179     | LPN100959       | 24%      | 75.3%          | 74.2%            |
| PAE202179     | MAV107016       | 31%      | 94.7%          | 91.0%            |
| PAE202179     | MBV102463       | 32%      | 73.2%          | 77.5%            |
| PAE202179     | MTU200432       | 32%      | 73.5%          | 73.4%            |
| PAE202179     | PAE202179       | 100%     | 100%           | 100%             |
| PAE202179     | PPU108029       | 43%      | 93.4%          | 96.7%            |
| PAE202179     | SPA102297       | 25%      | 73.5%          | 75.3%            |
| PAE202179     | STY101350       | 25%      | 74.3%          | 75.3%            |
| PAE202194     | ABA101377       | 44%      | 95.4%          | 92.1%            |
| PAE202194     | ABA101956       | 47%      | 96.9%          | 94.5%            |
| PAE202194     | BAN109383       | 33%      | 41.8%          | 38.4%            |
| PAE202194     | BAN109065       | 33%      | 41.8%          | 64.3%            |
| PAE202194     | BPT101145       | 27%      | 93.8%          | 91.3%            |
| PAE202194     | BCE107854       | 56%      | 96.9%          | 97.9%            |
| PAE202194     | BMA109618       | 50%      | 95.9%          | 93.5%            |
| PAE202194     | EBC100765       | 47%      | 92.3%          | 90.5%            |
| PAE202194     | ECO101619       | 43%      | 98.5%          | 96.5%            |
| PAE202194     | KPN300457       | 48%      | 87.1%          | 97.1%            |
| PAE202194     | PAE202194       | 100%     | 100%           | 100%             |
| PAE202194     | PPU100577       | 74%      | 99.0%          | 97.5%            |
| PAE202194     | PSY102130       | 45%      | 54.6%          | 99.0%            |
| PAE202194     | SPA102312       | 48%      | 26.8%          | 92.9%            |
| PAE202194     | STY100603       | 43%      | 98.5%          | 96.5%            |
| PAE202194     | SHA103035       | 28%      | 36.1%          | 39.0%            |
| PAE202194     | YPS002939       | 44%      | 96.4%          | 94.5%            |
| PAE202195     | ABA101379       | 72%      | 33.3%          | 82.7%            |
| PAE202195     | BFU101504       | 48%      | 97.7%          | 97.9%            |
| PAE202195     | BMA105219       | 67%      | 99.7%          | 99.4%            |
| PAE202195     | EBC101789       | 79%      | 75.7%          | 98.9%            |
| PAE202195     | ECO101420       | 73%      | 99.7%          | 91.5%            |
| PAE202195     | KPN304015       | 72%      | 99.7%          | 99.7%            |
| PAE202195     | PAE202195       | 100%     | 100%           | 100%             |
| PAE202195     | PPU103733       | 81%      | 99.7%          | 100%             |
| PAE202195     | SPA100754       | 73%      | 99.7%          | 98.3%            |
| PAE202195     | STY103772       | 73%      | 100%           | 100%             |
| PAE202195     | SAU802187       | 44%      | 96.8%          | 98.8%            |
| PAE202220     | PAE202220       | 100%     | 100%           | 100%             |
| PAE202225     | PAE202586       | 43%      | 97.5%          | 93.9%            |
| PAE202225     | PAE202225       | 100%     | 100%           | 100%             |
| PAE202225     | YPS001534       | 29%      | 30.5%          | 34.0%            |
| PAE202311     | CAC101792       | 25%      | 53.4%          | 38.4%            |
| PAE202311     | LMO101825       | 26%      | 71.6%          | 20.4%            |
| PAE202311     | PAE202311       | 100%     | 100%           | 100%             |
| PAE202311     | PSY100258       | 57%      | 98.5%          | 100%             |
| PAE202350     | BAN101197       | 30%      | 82.4%          | 85.6%            |
| PAE202350     | BAN112395       | 31%      | 82.4%          | 85.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202350     | EFA201725       | 33%      | 39.2%          | 53.2%            |
| PAE202350     | EFM200136       | 34%      | 39.2%          | 53.9%            |
| PAE202350     | MAV103895       | 34%      | 52%            | 64.3%            |
| PAE202350     | MBV102482       | 32%      | 52%            | 63.4%            |
| PAE202350     | MLP100054       | 33%      | 52%            | 64.6%            |
| PAE202350     | MTU203787       | 32%      | 52%            | 63.9%            |
| PAE202350     | MGE100299       | 35%      | 29.6%          | 38.9%            |
| PAE202350     | PAE202350       | 100%     | 100%           | 100%             |
| PAE202350     | PSY104146       | 68%      | 96%            | 93.2%            |
| PAE202350     | SAU800959       | 32%      | 90.1%          | 90.9%            |
| PAE202350     | SEP200166       | 33%      | 81.1%          | 69.6%            |
| PAE202350     | SHA101570       | 34%      | 81.1%          | 75.2%            |
| PAE202350     | SMU101565       | 32%      | 38.7%          | 52.8%            |
| PAE202364     | ABA100352       | 55%      | 96.0%          | 96.3%            |
| PAE202364     | BCE102797       | 56%      | 99.0%          | 98.8%            |
| PAE202364     | KPN105149       | 49%      | 25.3%          | 97.6%            |
| PAE202364     | MAV108739       | 30%      | 14.8%          | 21.8%            |
| PAE202364     | PAE202364       | 100%     | 100%           | 100%             |
| PAE202364     | PPU106161       | 59%      | 98.6%          | 98.4%            |
| PAE202364     | UUR100480       | 29%      | 15.6%          | 12.2%            |
| PAE202390     | PAE202390       | 100%     | 100%           | 100%             |
| PAE202390     | PPU103106       | 61%      | 96.7%          | 99.2%            |
| PAE202390     | PSY102936       | 62%      | 98.3%          | 98.9%            |
| PAE202390     | STM100417       | 28%      | 13.1%          | 18.1%            |
| PAE202396     | ABA100599       | 34%      | 86.9%          | 99.0%            |
| PAE202396     | BPT102644       | 38%      | 85.3%          | 94.6%            |
| PAE202396     | ECO101075       | 34%      | 86.4%          | 96.3%            |
| PAE202396     | NGO101542       | 31%      | 83.4%          | 95.6%            |
| PAE202396     | NME200532       | 31%      | 83.4%          | 95.6%            |
| PAE202396     | PAE202396       | 100%     | 100%           | 100%             |
| PAE202396     | PSY102921       | 35%      | 85.0%          | 93.0%            |
| PAE202396     | PSY102918       | 36%      | 96.6%          | 98.7%            |
| PAE202396     | SPA101792       | 31%      | 50.9%          | 96.1%            |
| PAE202396     | YPS002953       | 36%      | 82.9%          | 90.4%            |
| PAE202397     | ABA102315       | 29%      | 2.7%           | 82.1%            |
| PAE202397     | BAN113579       | 34%      | 35.6%          | 98.0%            |
| PAE202397     | BAN105122       | 25%      | 84.9%          | 77.9%            |
| PAE202397     | BAN101449       | 37%      | 19.4%          | 68.1%            |
| PAE202397     | BAN110486       | 35%      | 85.9%          | 42.9%            |
| PAE202397     | BFR10464        | 28%      | 65.0%          | 91.7%            |
| PAE202397     | BCE107702       | 32%      | 9.1%           | 18.4%            |
| PAE202397     | BCE107762       | 35%      | 67.6%          | 46.1%            |
| PAE202397     | BFU114880       | 36%      | 67.6%          | 18.4%            |
| PAE202397     | BFU114207       | 39%      | 88.6%          | 66.3%            |
| PAE202397     | BMA100299       | 27%      | 8.0%           | 51.2%            |
| PAE202397     | BMA107341       | 34%      | 37.7%          | 98.7%            |
| PAE202397     | BMA109153       | 31%      | 85.2%          | 99.5%            |
| PAE202397     | BMA103931       | 38%      | 87.9%          | 64.2%            |
| PAE202397     | BMA108540       | 38%      | 91.0%          | 74.3%            |
| PAE202397     | CJU101231       | 25%      | 63.2%          | 94.4%            |
| PAE202397     | CBO101685       | 27%      | 20.4%          | 88.4%            |
| PAE202397     | EBC101709       | 30%      | 1.3%           | 96.1%            |
| PAE202397     | EFA200814       | 30%      | 23.0%          | 97.0%            |
| PAE202397     | EFM201145       | 29%      | 63.9%          | 97.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202397     | KPN300374       | 29%      | 37.5%          | 89.9%            |
| PAE202397     | KPN304828       | 30%      | 0.6%           | 82.8%            |
| PAE202397     | LPN101088       | 34%      | 16.8%          | 45.0%            |
| PAE202397     | LMO100987       | 28%      | 63.8%          | 97.6%            |
| PAE202397     | MBV104734       | 35%      | 18.5%          | 59.3%            |
| PAE202397     | MTU200101       | 35%      | 18.5%          | 59.3%            |
| PAE202397     | PRT103983       | 23%      | 24.9%          | 87.1%            |
| PAE202397     | PAE202397       | 100%     | 100%           | 100%             |
| PAE202397     | PPU103141       | 44%      | 84.9%          | 46.0%            |
| PAE202397     | PPU101236       | 50%      | 87.5%          | 3.0%             |
| PAE202397     | PSY100319       | 49%      | 47.3%          | 28.3%            |
| PAE202397     | PSY107058       | 41%      | 8.9%           | 89.5%            |
| PAE202397     | PSY107996       | 36%      | 6.9%           | 96.8%            |
| PAE202397     | PSY102915       | 36%      | 43.9%          | 88.5%            |
| PAE202397     | PSY108115       | 44%      | 84.9%          | 81.6%            |
| PAE202397     | PSY106622       | 37%      | 86.4%          | 49.3%            |
| PAE202397     | PSY104787       | 39%      | 88.5%          | 1.3%             |
| PAE202397     | PSY102909       | 42%      | 60.5%          | 99.4%            |
| PAE202397     | PSY102912       | 56%      | 88.2%          | 1.1%             |
| PAE202397     | SPA100043       | 31%      | 29.7%          | 98.8%            |
| PAE202397     | SAU800179       | 31%      | 25.6%          | 68.3%            |
| PAE202397     | SEP202199       | 32%      | 69.9%          | 26.4%            |
| PAE202397     | SMU100385       | 25%      | 1.1%           | 97.4%            |
| PAE202397     | SMU100382       | 27%      | 86.4%          | 49.1%            |
| PAE202397     | SPN302037       | 26%      | 23.0%          | 96.7%            |
| PAE202397     | SPY201011       | 27%      | 62.9%          | 93.6%            |
| PAE202400     | ABA102315       | 31%      | 48.6%          | 74.4%            |
| PAE202400     | BAN113579       | 32%      | 16.8%          | 97.5%            |
| PAE202400     | BAN101449       | 33%      | 40.0%          | 69.1%            |
| PAE202400     | BAN105122       | 26%      | 26.3%          | 24.3%            |
| PAE202400     | BAN110486       | 34%      | 67.3%          | 38.2%            |
| PAE202400     | BFR10464        | 29%      | 89.0%          | 96.5%            |
| PAE202400     | BCE107762       | 38%      | 53.2%          | 97.9%            |
| PAE202400     | BCE107702       | 40%      | 60.8%          | 32.5%            |
| PAE202400     | BFU114207       | 35%      | 85.6%          | 87.0%            |
| PAE202400     | BFU114880       | 38%      | 11.5%          | 28.5%            |
| PAE202400     | BMA107816       | 30%      | 26.0%          | 80.8%            |
| PAE202400     | BMA107341       | 41%      | 31.9%          | 98.5%            |
| PAE202400     | BMA103931       | 35%      | 21.2%          | 99.0%            |
| PAE202400     | BMA108540       | 40%      | 2.4%           | 10.2%            |
| PAE202400     | BMA109153       | 35%      | 0.8%           | 99.5%            |
| PAE202400     | CJU101231       | 27%      | 38.1%          | 96.4%            |
| PAE202400     | CBO101685       | 25%      | 38.8%          | 88.9%            |
| PAE202400     | EBC101709       | 33%      | 25.1%          | 24%              |
| PAE202400     | EFA200814       | 30%      | 38.1%          | 96.4%            |
| PAE202400     | EFM201145       | 28%      | 11.3%          | 93.7%            |
| PAE202400     | KPN300374       | 54%      | 80.1%          | 62.0%            |
| PAE202400     | KPN304828       | 33%      | 24.0%          | 20.2%            |
| PAE202400     | LPN101088       | 40%      | 40.9%          | 44.2%            |
| PAE202400     | LMO100987       | 32%      | 38.0%          | 96.3%            |
| PAE202400     | MBV104734       | 35%      | 58.3%          | 17.3%            |
| PAE202400     | MTU200101       | 35%      | 58.3%          | 17.3%            |
| PAE202400     | PRT103983       | 25%      | 37.9%          | 93.5%            |
| PAE202400     | PAE202400       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202400     | PPU103141       | 39%      | 68.8%          | 45.7%            |
| PAE202400     | PPU101236       | 47%      | 39.5%          | 4.7%             |
| PAE202400     | PSY100319       | 53%      | 17.5%          | 47.0%            |
| PAE202400     | PSY107996       | 37%      | 53.1%          | 99.9%            |
| PAE202400     | PSY107058       | 51%      | 94.2%          | 86.4%            |
| PAE202400     | PSY108115       | 43%      | 31.7%          | 97.8%            |
| PAE202400     | PSY106622       | 39%      | 69.5%          | 49.3%            |
| PAE202400     | PSY104787       | 38%      | 69.3%          | 61.0%            |
| PAE202400     | PSY102909       | 44%      | 87.5%          | 58.4%            |
| PAE202400     | PSY102912       | 47%      | 3.8%           | 26.3%            |
| PAE202400     | PSY102915       | 46%      | 0.1%           | 88.5%            |
| PAE202400     | SPA100043       | 47%      | 83.7%          | 86.4%            |
| PAE202400     | SAU800179       | 30%      | 10.7%          | 65.6%            |
| PAE202400     | SEP202199       | 31%      | 10.7%          | 65.2%            |
| PAE202400     | SMU100382       | 24%      | 68.9%          | 47.5%            |
| PAE202400     | SMU100385       | 25%      | 28.6%          | 98.7%            |
| PAE202400     | SPN302037       | 26%      | 11.0%          | 96.1%            |
| PAE202400     | SPY201011       | 27%      | 11.3%          | 93.6%            |
| PAE202409     | ABA102876       | 27%      | 86.2%          | 89.8%            |
| PAE202409     | PAE202409       | 100%     | 100%           | 100%             |
| PAE202409     | PPU104342       | 65%      | 92.5%          | 98.3%            |
| PAE202409     | SMU100397       | 26%      | 87.0%          | 93.3%            |
| PAE202422     | CDF101294       | 27%      | 74.6%          | 55.7%            |
| PAE202422     | CDP100588       | 34%      | 95.1%          | 80.5%            |
| PAE202422     | MBV102622       | 33%      | 0.6%           | 92.3%            |
| PAE202422     | MLP100098       | 35%      | 95.5%          | 72.4%            |
| PAE202422     | MTU202344       | 33%      | 0.8%           | 97.7%            |
| PAE202422     | PAE202422       | 100%     | 100%           | 100%             |
| PAE202422     | PPU105003       | 70%      | 100%           | 100%             |
| PAE202422     | PSY102925       | 72%      | 33.1%          | 98.8%            |
| PAE202422     | SHA100310       | 28%      | 13.7%          | 94.8%            |
| PAE202422     | VCH101555       | 28%      | 74.4%          | 80.9%            |
| PAE202459     | BFR10882        | 32%      | 62.3%          | 29.0%            |
| PAE202459     | BMA108999       | 26%      | 78.6%          | 40.2%            |
| PAE202459     | BMA101805       | 33%      | 45.3%          | 45.8%            |
| PAE202459     | CAC102639       | 26%      | 80.5%          | 67.5%            |
| PAE202459     | CBO101057       | 25%      | 65.4%          | 42.5%            |
| PAE202459     | CDF103411       | 31%      | 87.4%          | 48.0%            |
| PAE202459     | EFA200376       | 23%      | 82.4%          | 45.5%            |
| PAE202459     | EFM201063       | 16%      | 54.1%          | 62.4%            |
| PAE202459     | ECO103932       | 28%      | 64.8%          | 23.3%            |
| PAE202459     | LMO100095       | 26%      | 74.8%          | 32.5%            |
| PAE202459     | PAE202459       | 100%     | 100%           | 100%             |
| PAE202468     | BCE103286       | 68%      | 87.0%          | 55.8%            |
| PAE202468     | BFU102051       | 60%      | 97.7%          | 98.9%            |
| PAE202468     | CBO103586       | 23%      | 63.5%          | 58.5%            |
| PAE202468     | ECO203042       | 60%      | 97.7%          | 99.1%            |
| PAE202468     | PAE202468       | 100%     | 100%           | 100%             |
| PAE202468     | PSY101139       | 27%      | 28.9%          | 52.8%            |
| PAE202468     | SPA101358       | 60%      | 98.0%          | 98.6%            |
| PAE202468     | STY104243       | 60%      | 98.0%          | 98.6%            |
| PAE202486     | BCE110592       | 41%      | 87.0%          | 79.5%            |
| PAE202486     | BFU102678       | 41%      | 90.9%          | 85.8%            |
| PAE202486     | BMA105923       | 42%      | 92.9%          | 73.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202486     | CDF102197       | 37%      | 35.8%          | 28.5%            |
| PAE202486     | CDP102565       | 34%      | 55.9%          | 49.8%            |
| PAE202486     | EBC102081       | 38%      | 87.4%          | 92.7%            |
| PAE202486     | KPN306992       | 45%      | 94.1%          | 84.1%            |
| PAE202486     | PAE202486       | 100%     | 100%           | 100%             |
| PAE202492     | ABA105864       | 67%      | 99.1%          | 98.9%            |
| PAE202492     | BFR10769        | 46%      | 98.2%          | 99.1%            |
| PAE202492     | BCE103998       | 64%      | 97.9%          | 97.3%            |
| PAE202492     | BFU112051       | 65%      | 98.0%          | 47.1%            |
| PAE202492     | BMA105073       | 64%      | 97.9%          | 97.7%            |
| PAE202492     | CJU100334       | 40%      | 98.7%          | 99.4%            |
| PAE202492     | EBC100804       | 59%      | 93.0%          | 57.0%            |
| PAE202492     | KPN300113       | 69%      | 4.0%           | 89.4%            |
| PAE202492     | KPN300333       | 55%      | 13.4%          | 83.1%            |
| PAE202492     | KPN304436       | 61%      | 98.6%          | 99.2%            |
| PAE202492     | LPN101626       | 50%      | 98.0%          | 98.9%            |
| PAE202492     | PAE202492       | 100%     | 100%           | 100%             |
| PAE202492     | PPU105312       | 88%      | 100%           | 100%             |
| PAE202492     | PSY102097       | 85%      | 100%           | 99.7%            |
| PAE202492     | YPS001065       | 41%      | 99.1%          | 99.7%            |
| PAE202494     | BAN106081       | 37%      | 25.1%          | 25%              |
| PAE202494     | BAN104525       | 19%      | 93.6%          | 97.7%            |
| PAE202494     | BCE101872       | 35%      | 94.2%          | 79.5%            |
| PAE202494     | KPN307509       | 32%      | 93.0%          | 87.8%            |
| PAE202494     | PAE202494       | 100%     | 100%           | 100%             |
| PAE202495     | ABA103701       | 44%      | 80.1%          | 81.6%            |
| PAE202495     | BPT102193       | 65%      | 97.3%          | 97.6%            |
| PAE202495     | BFU103699       | 47%      | 89.0%          | 91.5%            |
| PAE202495     | PAE202495       | 100%     | 100%           | 100%             |
| PAE202495     | PSY105245       | 38%      | 90.1%          | 89.7%            |
| PAE202495     | SPA100981       | 35%      | 83.9%          | 96.4%            |
| PAE202495     | STY100630       | 37%      | 90.1%          | 83.3%            |
| PAE202582     | ABA100413       | 53%      | 96.2%          | 95.4%            |
| PAE202582     | BAN105779       | 33%      | 89.2%          | 92.2%            |
| PAE202582     | BAN111288       | 37%      | 88.2%          | 90.1%            |
| PAE202582     | BPT102887       | 52%      | 95.2%          | 95.3%            |
| PAE202582     | BBU100720       | 29%      | 91.4%          | 76.1%            |
| PAE202582     | BCE105319       | 48%      | 95.7%          | 95.4%            |
| PAE202582     | BFU105259       | 47%      | 95.7%          | 82.7%            |
| PAE202582     | BMA108976       | 47%      | 95.7%          | 94.9%            |
| PAE202582     | CJU100993       | 38%      | 92.5%          | 93.3%            |
| PAE202582     | CPN200895       | 33%      | 75.3%          | 69.4%            |
| PAE202582     | CTR200175       | 31%      | 75.3%          | 70.8%            |
| PAE202582     | CAC102273       | 32%      | 93.0%          | 93.1%            |
| PAE202582     | CAC102538       | 41%      | 75.3%          | 67.5%            |
| PAE202582     | CBO100903       | 40%      | 76.3%          | 70.6%            |
| PAE202582     | CDF100867       | 40%      | 92.5%          | 92.3%            |
| PAE202582     | CDP100421       | 31%      | 93.5%          | 87.2%            |
| PAE202582     | EBC100108       | 62%      | 57.0%          | 97.2%            |
| PAE202582     | EFA201530       | 37%      | 91.9%          | 93.8%            |
| PAE202582     | EFM200252       | 38%      | 95.2%          | 95.4%            |
| PAE202582     | ECO101877       | 60%      | 93.5%          | 94.5%            |
| PAE202582     | HIN100119       | 56%      | 93.5%          | 93.0%            |
| PAE202582     | HPY100999       | 36%      | 91.9%          | 84%              |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202582     | KPN304657       | 59%      | 88.2%          | 98.2%            |
| PAE202582     | LPN102252       | 58%      | 95.7%          | 95.2%            |
| PAE202582     | LMO100034       | 40%      | 91.9%          | 93.8%            |
| PAE202582     | MCA101550       | 48%      | 95.7%          | 91.3%            |
| PAE202582     | MAV100075       | 39%      | 72.6%          | 66.8%            |
| PAE202582     | MBV105271       | 36%      | 93.5%          | 81.3%            |
| PAE202582     | MLP100600       | 34%      | 91.9%          | 88.1%            |
| PAE202582     | MTU202709       | 36%      | 93.5%          | 81.3%            |
| PAE202582     | MGE100116       | 27%      | 81.2%          | 66.5%            |
| PAE202582     | MPN100579       | 29%      | 73.1%          | 66.1%            |
| PAE202582     | NGO101386       | 55%      | 96.2%          | 98.4%            |
| PAE202582     | NME201638       | 55%      | 96.2%          | 98.4%            |
| PAE202582     | PMU100856       | 60%      | 93.5%          | 93.0%            |
| PAE202582     | PRT100160       | 60%      | 80.1%          | 96.1%            |
| PAE202582     | PAE202582       | 100%     | 100%           | 100%             |
| PAE202582     | PPU104936       | 83%      | 83.9%          | 100%             |
| PAE202582     | PSY104985       | 83%      | 100%           | 98.9%            |
| PAE202582     | SPA102741       | 56%      | 93.5%          | 95.0%            |
| PAE202582     | STY102753       | 58%      | 93.5%          | 94.5%            |
| PAE202582     | SAU801283       | 40%      | 91.9%          | 94.3%            |
| PAE202582     | SEP201586       | 37%      | 91.9%          | 93.8%            |
| PAE202582     | SHA100110       | 38%      | 91.9%          | 94.8%            |
| PAE202582     | SMU101390       | 42%      | 93.5%          | 92.2%            |
| PAE202582     | SPN402024       | 41%      | 90.9%          | 89.0%            |
| PAE202582     | SPY201679       | 39%      | 93.5%          | 92.2%            |
| PAE202582     | TPA100253       | 30%      | 96.2%          | 91.2%            |
| PAE202582     | UUR100366       | 29%      | 92.5%          | 85.3%            |
| PAE202582     | VCH101196       | 56%      | 93.5%          | 93.0%            |
| PAE202582     | YPS001664       | 58%      | 96.2%          | 97.3%            |
| PAE202587     | BFU103555       | 24%      | 96.3%          | 93.1%            |
| PAE202587     | BFU103577       | 28%      | 97.3%          | 94.1%            |
| PAE202587     | BFU106533       | 30%      | 95.3%          | 90.4%            |
| PAE202587     | KPN202668       | 23%      | 90.8%          | 79.1%            |
| PAE202587     | NME301279       | 24%      | 78.5%          | 68.6%            |
| PAE202587     | PAE202089       | 61%      | 95.5%          | 89.9%            |
| PAE202587     | PAE202587       | 100%     | 100%           | 100%             |
| PAE202592     | BFU112442       | 57%      | 16.3%          | 74.3%            |
| PAE202592     | BFU103667       | 59%      | 98.1%          | 95.5%            |
| PAE202592     | MLP101589       | 30%      | 33.5%          | 62.2%            |
| PAE202592     | PAE202592       | 100%     | 100%           | 100%             |
| PAE202592     | PPU110760       | 73%      | 97.8%          | 97.5%            |
| PAE202592     | PSY101651       | 68%      | 77.4%          | 100%             |
| PAE202592     | SMU102515       | 25%      | 75.5%          | 71.6%            |
| PAE202608     | BFU106386       | 62%      | 97.8%          | 90.1%            |
| PAE202608     | CDP100182       | 48%      | 87.0%          | 78.6%            |
| PAE202608     | EBC104078       | 62%      | 96.6%          | 98.8%            |
| PAE202608     | ECO103035       | 61%      | 96.6%          | 98.8%            |
| PAE202608     | KPN301953       | 61%      | 96.9%          | 99.1%            |
| PAE202608     | LPN102216       | 56%      | 94.4%          | 97.2%            |
| PAE202608     | MAV105413       | 46%      | 89.8%          | 87.1%            |
| PAE202608     | PAE202608       | 100%     | 100%           | 100%             |
| PAE202608     | PPU110118       | 72%      | 99.1%          | 99.4%            |
| PAE202608     | PSY104168       | 71%      | 99.7%          | 100%             |
| PAE202608     | SPA101877       | 60%      | 96.6%          | 98.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202608     | STY100886       | 60%      | 96.6%          | 98.8%            |
| PAE202608     | STM101329       | 60%      | 96.6%          | 98.8%            |
| PAE202608     | SMU100793       | 47%      | 68.5%          | 97.4%            |
| PAE202608     | VCH101077       | 59%      | 97.2%          | 99.7%            |
| PAE202632     | ABA105208       | 75%      | 99.8%          | 99.4%            |
| PAE202632     | BAN110475       | 26%      | 82.1%          | 79.3%            |
| PAE202632     | BAN106274       | 25%      | 95.1%          | 93.5%            |
| PAE202632     | BPT102898       | 25%      | 95.3%          | 92.0%            |
| PAE202632     | BCE102844       | 82%      | 99.8%          | 100%             |
| PAE202632     | BFU107049       | 27%      | 95.9%          | 94.2%            |
| PAE202632     | BMA107778       | 28%      | 85.1%          | 82.3%            |
| PAE202632     | EBC103829       | 27%      | 92.8%          | 91.7%            |
| PAE202632     | ECO103909       | 26%      | 92.7%          | 91.5%            |
| PAE202632     | KPN302602       | 27%      | 92.7%          | 90.4%            |
| PAE202632     | MCA101558       | 71%      | 99.2%          | 99.2%            |
| PAE202632     | MAV101764       | 25%      | 87.6%          | 84.7%            |
| PAE202632     | MBV101390       | 26%      | 81.7%          | 79.7%            |
| PAE202632     | MLP101209       | 31%      | 56.1%          | 50.1%            |
| PAE202632     | MTU200465       | 26%      | 81.7%          | 79.7%            |
| PAE202632     | PRT102444       | 26%      | 92.7%          | 91.3%            |
| PAE202632     | PAE202632       | 100%     | 100%           | 100%             |
| PAE202632     | PPU104938       | 28%      | 86.8%          | 83.4%            |
| PAE202632     | PSY104072       | 29%      | 82.3%          | 79.4%            |
| PAE202632     | SPA103847       | 27%      | 73.8%          | 85.1%            |
| PAE202632     | STY101883       | 26%      | 94.7%          | 94.0%            |
| PAE202632     | STM102120       | 26%      | 94.7%          | 94.0%            |
| PAE202632     | VCH100723       | 26%      | 81.7%          | 79.6%            |
| PAE202632     | YPS000409       | 27%      | 84.2%          | 81.6%            |
| PAE202638     | ABA101710       | 56%      | 92.8%          | 91.1%            |
| PAE202638     | BPT102602       | 35%      | 81.3%          | 83.5%            |
| PAE202638     | BCE111071       | 36%      | 71.1%          | 75.2%            |
| PAE202638     | BFU101050       | 33%      | 71.1%          | 75.2%            |
| PAE202638     | BMA106256       | 35%      | 71.1%          | 75.2%            |
| PAE202638     | CBO103706       | 33%      | 91.6%          | 95.6%            |
| PAE202638     | CDF101135       | 36%      | 78.9%          | 79.4%            |
| PAE202638     | EBC104017       | 70%      | 99.4%          | 99.4%            |
| PAE202638     | EFA202362       | 22%      | 71.1%          | 72.8%            |
| PAE202638     | ECO102243       | 69%      | 99.4%          | 99.4%            |
| PAE202638     | KPN303098       | 69%      | 99.4%          | 99.4%            |
| PAE202638     | LPN100393       | 39%      | 86.7%          | 87.4%            |
| PAE202638     | MCA101205       | 57%      | 92.8%          | 91.1%            |
| PAE202638     | MAV105025       | 31%      | 83.7%          | 55.2%            |
| PAE202638     | MBV105191       | 27%      | 81.9%          | 54.0%            |
| PAE202638     | MTU203106       | 27%      | 81.9%          | 54.0%            |
| PAE202638     | NGO100658       | 32%      | 81.3%          | 87.3%            |
| PAE202638     | NME200015       | 32%      | 81.3%          | 87.3%            |
| PAE202638     | PRT105764       | 72%      | 92.8%          | 85.1%            |
| PAE202638     | PAE202638       | 100%     | 100%           | 100%             |
| PAE202638     | PPU109199       | 91%      | 98.2%          | 98.8%            |
| PAE202638     | PSY104066       | 85%      | 93.4%          | 93.9%            |
| PAE202638     | SPA101449       | 69%      | 99.4%          | 99.4%            |
| PAE202638     | STY100620       | 69%      | 99.4%          | 99.4%            |
| PAE202638     | YPS000449       | 71%      | 94.0%          | 90.7%            |
| PAE202639     | ABA104508       | 61%      | 94.0%          | 94.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202639     | BPT102603       | 43%      | 91.3%          | 89.2%            |
| PAE202639     | BCE109909       | 37%      | 99.3%          | 83.4%            |
| PAE202639     | BFU101051       | 42%      | 90.0%          | 90.5%            |
| PAE202639     | BMA102085       | 42%      | 88.4%          | 90.1%            |
| PAE202639     | CBO100268       | 40%      | 90.6%          | 63.7%            |
| PAE202639     | CDF101141       | 41%      | 90.0%          | 64.0%            |
| PAE202639     | EBC104020       | 81%      | 94.6%          | 94.6%            |
| PAE202639     | EFA202361       | 37%      | 88.2%          | 91.2%            |
| PAE202639     | ECO102242       | 79%      | 94.6%          | 94.6%            |
| PAE202639     | KPN303095       | 80%      | 94.4%          | 94.6%            |
| PAE202639     | LPN102788       | 44%      | 90.4%          | 94.6%            |
| PAE202639     | MCA101206       | 56%      | 98.7%          | 93.2%            |
| PAE202639     | MAV108179       | 46%      | 96.7%          | 95.4%            |
| PAE202639     | MBV105192       | 47%      | 92.4%          | 93.3%            |
| PAE202639     | MTU203107       | 47%      | 92.4%          | 93.3%            |
| PAE202639     | NGO100655       | 44%      | 88.4%          | 90.8%            |
| PAE202639     | NME200014       | 44%      | 88.4%          | 90.8%            |
| PAE202639     | PRT101707       | 75%      | 96.9%          | 95.6%            |
| PAE202639     | PAE202639       | 100%     | 100%           | 100%             |
| PAE202639     | PPU104927       | 89%      | 98.9%          | 97.8%            |
| PAE202639     | PSY104064       | 87%      | 100%           | 100%             |
| PAE202639     | SPA101448       | 77%      | 94.6%          | 94.6%            |
| PAE202639     | STY100618       | 79%      | 94.6%          | 94.6%            |
| PAE202639     | YPS000446       | 77%      | 96.9%          | 93.9%            |
| PAE202669     | BPT104423       | 33%      | 28.7%          | 22.5%            |
| PAE202669     | BMA100760       | 31%      | 20.1%          | 11.0%            |
| PAE202669     | CDP101905       | 28%      | 47.6%          | 49.0%            |
| PAE202669     | PAE202669       | 100%     | 100%           | 100%             |
| PAE202669     | PSY106253       | 29%      | 19.8%          | 25.1%            |
| PAE202682     | ABA100225       | 26%      | 52.2%          | 10.0%            |
| PAE202682     | ABA100477       | 29%      | 68.5%          | 100%             |
| PAE202682     | BAN104847       | 22%      | 25.0%          | 17.8%            |
| PAE202682     | BAN109223       | 35%      | 5.7%           | 36.6%            |
| PAE202682     | BAN101440       | 27%      | 13.9%          | 72.9%            |
| PAE202682     | BAN110288       | 21%      | 9.8%           | 16.9%            |
| PAE202682     | BPT105733       | 25%      | 22.2%          | 62.4%            |
| PAE202682     | BCE108121       | 30%      | 68.4%          | 90.4%            |
| PAE202682     | BFU100092       | 44%      | 6.4%           | 95.6%            |
| PAE202682     | BFU107935       | 29%      | 47.2%          | 64.9%            |
| PAE202682     | BFU102581       | 30%      | 86.9%          | 70.2%            |
| PAE202682     | BMA107682       | 25%      | 88.7%          | 83.3%            |
| PAE202682     | CAC100404       | 25%      | 12.3%          | 61.5%            |
| PAE202682     | EBC104888       | 26%      | 73.3%          | 87.3%            |
| PAE202682     | ECO100490       | 51%      | 7.0%           | 39.4%            |
| PAE202682     | ECO103517       | 49%      | 8.0%           | 45.9%            |
| PAE202682     | ECO100686       | 35%      | 19.5%          | 67.9%            |
| PAE202682     | ECO101427       | 30%      | 36.1%          | 76.2%            |
| PAE202682     | ECO100488       | 31%      | 88.8%          | 88.3%            |
| PAE202682     | ECO100683       | 32%      | 89.7%          | 90.6%            |
| PAE202682     | ECO103405       | 33%      | 88.7%          | 88.4%            |
| PAE202682     | ECO103515       | 33%      | 88.7%          | 90.6%            |
| PAE202682     | PRT103688       | 36%      | 12.5%          | 48.8%            |
| PAE202682     | PRT103361       | 28%      | 13.1%          | 100%             |
| PAE202682     | PRT103421       | 25%      | 86.6%          | 88.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202682     | PAE202682       | 100%     | 100%           | 100%             |
| PAE202682     | PPU107712       | 33%      | 8.0%           | 93.1%            |
| PAE202682     | PPU110484       | 26%      | 11.4%          | 93.1%            |
| PAE202682     | PPU109654       | 34%      | 4.9%           | 93.4%            |
| PAE202682     | PPU107101       | 33%      | 19.3%          | 54.7%            |
| PAE202682     | PPU109653       | 31%      | 2.4%           | 64.5%            |
| PAE202682     | PPU109652       | 28%      | 86.0%          | 73.6%            |
| PAE202682     | PPU110482       | 28%      | 85.5%          | 77.5%            |
| PAE202682     | PSY108533       | 31%      | 33.6%          | 97.8%            |
| PAE202682     | PSY101322       | 53%      | 5.7%           | 29.6%            |
| PAE202682     | PSY105816       | 44%      | 7.7%           | 45.7%            |
| PAE202682     | PSY102083       | 26%      | 86.8%          | 65.1%            |
| PAE202682     | SPA100247       | 29%      | 53.9%          | 92.3%            |
| PAE202682     | STY104095       | 30%      | 52.2%          | 49.2%            |
| PAE202682     | STM103807       | 44%      | 9.6%           | 52.8%            |
| PAE202682     | STM103806       | 27%      | 89.1%          | 78.8%            |
| PAE202682     | YPS002999       | 25%      | 64.1%          | 24.7%            |
| PAE202683     | BFR100630       | 24%      | 66.9%          | 78.0%            |
| PAE202683     | BCE104450       | 46%      | 51.7%          | 95.1%            |
| PAE202683     | BCE111308       | 39%      | 89.8%          | 97.2%            |
| PAE202683     | BFU102584       | 38%      | 75.5%          | 84.8%            |
| PAE202683     | BFU100791       | 38%      | 88.4%          | 92.4%            |
| PAE202683     | BFU107929       | 39%      | 92.8%          | 95.3%            |
| PAE202683     | BMA105820       | 42%      | 91.9%          | 68.9%            |
| PAE202683     | EBC102287       | 42%      | 73.1%          | 61.8%            |
| PAE202683     | ECO200602       | 34%      | 73.7%          | 84.0%            |
| PAE202683     | ECO202018       | 32%      | 89.4%          | 90.1%            |
| PAE202683     | ECO200236       | 32%      | 90.8%          | 90.3%            |
| PAE202683     | MAV100794       | 24%      | 11.2%          | 49.0%            |
| PAE202683     | PRT100729       | 31%      | 74.5%          | 74.6%            |
| PAE202683     | PRT101866       | 29%      | 80.7%          | 80.3%            |
| PAE202683     | PAE200091       | 75%      | 88.3%          | 98.1%            |
| PAE202683     | PAE200095       | 79%      | 91.6%          | 99.1%            |
| PAE202683     | PAE202683       | 100%     | 100%           | 100%             |
| PAE202683     | PPU110472       | 38%      | 93.7%          | 95.0%            |
| PAE202683     | SPA102886       | 38%      | 78.5%          | 82.1%            |
| PAE202683     | STY104093       | 38%      | 77.4%          | 77.6%            |
| PAE202683     | STM103805       | 38%      | 77.4%          | 77.6%            |
| PAE202683     | YPS002993       | 31%      | 92.7%          | 83.2%            |
| PAE202683     | YPS002986       | 32%      | 88.7%          | 76.6%            |
| PAE202683     | YPS002861       | 32%      | 92.3%          | 89.5%            |
| PAE202683     | YPS002256       | 35%      | 93.1%          | 72.6%            |
| PAE202724     | BAN104705       | 42%      | 34.0%          | 31.7%            |
| PAE202724     | BFR104549       | 31%      | 63.7%          | 93.4%            |
| PAE202724     | CAC100359       | 26%      | 60.8%          | 87.6%            |
| PAE202724     | CBO102736       | 27%      | 86.8%          | 93.4%            |
| PAE202724     | CDF102556       | 31%      | 60.8%          | 76.0%            |
| PAE202724     | EBC102870       | 31%      | 63.2%          | 92.9%            |
| PAE202724     | EFA201808       | 27%      | 87.7%          | 70.5%            |
| PAE202724     | EFM200702       | 26%      | 60.8%          | 68.5%            |
| PAE202724     | ECO104127       | 31%      | 63.2%          | 92.9%            |
| PAE202724     | HIN101129       | 29%      | 63.2%          | 92.3%            |
| PAE202724     | KPN303784       | 30%      | 63.2%          | 92.9%            |
| PAE202724     | LMO100609       | 29%      | 60.8%          | 74.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202724     | PMU100941       | 29%      | 63.2%          | 91.1%            |
| PAE202724     | PRT101043       | 29%      | 63.2%          | 92.9%            |
| PAE202724     | PAE202724       | 100%     | 100%           | 100%             |
| PAE202724     | SPA101627       | 30%      | 58.5%          | 91.7%            |
| PAE202724     | STY103909       | 31%      | 63.2%          | 92.9%            |
| PAE202724     | SAU800227       | 25%      | 87.3%          | 71.3%            |
| PAE202724     | SEP200043       | 37%      | 36.3%          | 33.1%            |
| PAE202724     | SMU101177       | 30%      | 60.8%          | 67.7%            |
| PAE202724     | SPN400185       | 31%      | 60.8%          | 69.4%            |
| PAE202724     | SPY201607       | 30%      | 60.8%          | 66.7%            |
| PAE202724     | VCH103237       | 27%      | 66.0%          | 96.1%            |
| PAE202724     | YPS000969       | 31%      | 62.3%          | 97.2%            |
| PAE202739     | ABA102501       | 79%      | 100%           | 99.2%            |
| PAE202739     | BAN104202       | 43%      | 96.6%          | 95.8%            |
| PAE202739     | BAN110178       | 58%      | 99.2%          | 99.2%            |
| PAE202739     | BFR104064       | 59%      | 98.3%          | 100%             |
| PAE202739     | BPT100292       | 72%      | 100%           | 99.2%            |
| PAE202739     | BBU100187       | 46%      | 93.2%          | 95.7%            |
| PAE202739     | BCE102715       | 68%      | 100%           | 99.2%            |
| PAE202739     | BFU102443       | 69%      | 100%           | 99.2%            |
| PAE202739     | BMA107401       | 68%      | 100%           | 99.2%            |
| PAE202739     | CJU100217       | 63%      | 99.2%          | 100%             |
| PAE202739     | CPN200847       | 44%      | 99.2%          | 96.7%            |
| PAE202739     | CTR200218       | 43%      | 99.2%          | 95.1%            |
| PAE202739     | CAC101951       | 56%      | 99.2%          | 98.3%            |
| PAE202739     | CDF102735       | 53%      | 100%           | 100%             |
| PAE202739     | CDP100976       | 61%      | 99.2%          | 92.1%            |
| PAE202739     | EBC102984       | 83%      | 100%           | 100%             |
| PAE202739     | EFA200358       | 63%      | 100%           | 99.2%            |
| PAE202739     | EFM201307       | 63%      | 100%           | 99.2%            |
| PAE202739     | ECO101684       | 83%      | 100%           | 100%             |
| PAE202739     | HIN101286       | 82%      | 99.2%          | 100%             |
| PAE202739     | HPY100124       | 54%      | 97.5%          | 99.1%            |
| PAE202739     | KPN301692       | 83%      | 100%           | 100%             |
| PAE202739     | LPN101410       | 78%      | 100%           | 99.2%            |
| PAE202739     | LMO100743       | 62%      | 100%           | 99.2%            |
| PAE202739     | MAV106548       | 57%      | 99.2%          | 89.3%            |
| PAE202739     | MBV101274       | 57%      | 99.2%          | 90.7%            |
| PAE202739     | MLP100866       | 55%      | 99.2%          | 90.7%            |
| PAE202739     | MTU201622       | 57%      | 99.2%          | 90.7%            |
| PAE202739     | MGE100200       | 51%      | 94.9%          | 90.3%            |
| PAE202739     | MPN100037       | 53%      | 95.8%          | 89.0%            |
| PAE202739     | NGO101855       | 77%      | 100%           | 99.2%            |
| PAE202739     | NME200857       | 77%      | 100%           | 99.2%            |
| PAE202739     | PMU100604       | 82%      | 99.2%          | 100%             |
| PAE202739     | PRT101306       | 82%      | 100%           | 100%             |
| PAE202739     | PAE202739       | 100%     | 100%           | 100%             |
| PAE202739     | PPU111376       | 94%      | 100%           | 100%             |
| PAE202739     | PSY109131       | 94%      | 100%           | 100%             |
| PAE202739     | SPA100657       | 84%      | 95.8%          | 94.2%            |
| PAE202739     | STY101118       | 83%      | 100%           | 100%             |
| PAE202739     | STM103448       | 83%      | 100%           | 100%             |
| PAE202739     | SAU801678       | 58%      | 99.2%          | 99.2%            |
| PAE202739     | SEP201662       | 58%      | 99.2%          | 99.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202739     | SHA100082       | 59%      | 99.2%          | 99.2%            |
| PAE202739     | SMU100912       | 64%      | 99.2%          | 98.3%            |
| PAE202739     | SPN400863       | 65%      | 99.2%          | 98.3%            |
| PAE202739     | SPY200598       | 65%      | 99.2%          | 98.3%            |
| PAE202739     | TPA100839       | 47%      | 89.8%          | 86.9%            |
| PAE202739     | UUR100231       | 45%      | 93.2%          | 96.7%            |
| PAE202739     | VCH103020       | 80%      | 99.2%          | 100%             |
| PAE202739     | YPS003061       | 84%      | 100%           | 100%             |
| PAE202740     | ABA102503       | 64%      | 92.2%          | 79.7%            |
| PAE202740     | BAN113355       | 48%      | 95.3%          | 93.9%            |
| PAE202740     | BAN109536       | 48%      | 95.3%          | 93.9%            |
| PAE202740     | BFR104500       | 51%      | 95.3%          | 98.4%            |
| PAE202740     | BPT100293       | 59%      | 90.6%          | 90.8%            |
| PAE202740     | BBU100188       | 43%      | 92.2%          | 90.9%            |
| PAE202740     | BCE106262       | 54%      | 90.6%          | 95.2%            |
| PAE202740     | BFU102444       | 54%      | 90.6%          | 95.2%            |
| PAE202740     | BMA105698       | 56%      | 95.3%          | 95.4%            |
| PAE202740     | CJU100216       | 45%      | 95.3%          | 96.8%            |
| PAE202740     | CPN200848       | 38%      | 95.3%          | 96.9%            |
| PAE202740     | CTR200217       | 35%      | 95.3%          | 96.9%            |
| PAE202740     | CAC101588       | 68%      | 68.8%          | 69.2%            |
| PAE202740     | CBO102406       | 60%      | 81.2%          | 81.5%            |
| PAE202740     | CDF104095       | 51%      | 95.3%          | 96.9%            |
| PAE202740     | CDP100973       | 41%      | 92.2%          | 93.8%            |
| PAE202740     | EBC102982       | 60%      | 89.1%          | 89.2%            |
| PAE202740     | EFA203061       | 50%      | 95.3%          | 93.9%            |
| PAE202740     | EFM202134       | 50%      | 95.3%          | 93.9%            |
| PAE202740     | ECO101685       | 63%      | 89.1%          | 89.2%            |
| PAE202740     | HIN101285       | 66%      | 82.8%          | 60.7%            |
| PAE202740     | HPY100123       | 47%      | 89.1%          | 89.1%            |
| PAE202740     | KPN301691       | 63%      | 89.1%          | 89.2%            |
| PAE202740     | LPN101798       | 50%      | 93.8%          | 100%             |
| PAE202740     | LMO101064       | 46%      | 92.2%          | 90.9%            |
| PAE202740     | MAV106547       | 38%      | 95.3%          | 96.9%            |
| PAE202740     | MBV101273       | 39%      | 89.1%          | 90.6%            |
| PAE202740     | MLP100865       | 37%      | 95.3%          | 96.9%            |
| PAE202740     | MTU201621       | 39%      | 89.1%          | 90.6%            |
| PAE202740     | MGE100199       | 47%      | 84.4%          | 93.2%            |
| PAE202740     | MPN100038       | 49%      | 84.4%          | 93.2%            |
| PAE202740     | NGO101853       | 67%      | 95.3%          | 95.4%            |
| PAE202740     | NME200856       | 67%      | 95.3%          | 95.4%            |
| PAE202740     | PMU100603       | 66%      | 82.8%          | 83.1%            |
| PAE202740     | PRT103408       | 63%      | 89.1%          | 89.2%            |
| PAE202740     | PAE202740       | 100%     | 100%           | 100%             |
| PAE202740     | PPU103712       | 82%      | 100%           | 92.8%            |
| PAE202740     | PSY107471       | 84%      | 100%           | 100%             |
| PAE202740     | SPA100656       | 63%      | 89.1%          | 89.2%            |
| PAE202740     | STY101126       | 63%      | 89.1%          | 89.2%            |
| PAE202740     | STM103447       | 63%      | 89.1%          | 89.2%            |
| PAE202740     | SAU801679       | 54%      | 95.3%          | 93.9%            |
| PAE202740     | SEP201663       | 53%      | 95.3%          | 93.9%            |
| PAE202740     | SHA100081       | 51%      | 95.3%          | 93.9%            |
| PAE202740     | SMU100910       | 45%      | 95.3%          | 93.9%            |
| PAE202740     | SPN400862       | 45%      | 95.3%          | 93.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202740     | SPY200597       | 44%      | 90.6%          | 90.8%            |
| PAE202740     | TPA100840       | 53%      | 95.3%          | 93.9%            |
| PAE202740     | UUR100230       | 43%      | 92.2%          | 93.8%            |
| PAE202740     | VCH103019       | 67%      | 95.3%          | 95.3%            |
| PAE202740     | YPS003064       | 62%      | 89.1%          | 89.2%            |
| PAE202753     | BCE114567       | 55%      | 82.7%          | 99.2%            |
| PAE202753     | BMA103554       | 50%      | 96.2%          | 82.7%            |
| PAE202753     | EBC102918       | 58%      | 96.2%          | 92.8%            |
| PAE202753     | ECO102167       | 54%      | 98.7%          | 98.8%            |
| PAE202753     | KPN301560       | 57%      | 92.3%          | 90.2%            |
| PAE202753     | MAV101305       | 32%      | 50%            | 21.5%            |
| PAE202753     | PRT101050       | 47%      | 97.4%          | 98.1%            |
| PAE202753     | PAE202753       | 100%     | 100%           | 100%             |
| PAE202753     | PPU110767       | 67%      | 97.4%          | 98.1%            |
| PAE202753     | SPA101703       | 50%      | 99.4%          | 99.4%            |
| PAE202753     | STY100490       | 51%      | 99.4%          | 99.4%            |
| PAE202753     | STM100205       | 52%      | 99.4%          | 99.4%            |
| PAE202753     | YPS000263       | 46%      | 98.1%          | 94.1%            |
| PAE202788     | PAE202788       | 100%     | 100%           | 100%             |
| PAE202829     | BCE112466       | 41%      | 99.2%          | 83.8%            |
| PAE202829     | BFU101173       | 43%      | 97.9%          | 97.4%            |
| PAE202829     | BMA102236       | 44%      | 97.9%          | 97.4%            |
| PAE202829     | NGO101119       | 50%      | 100%           | 93.5%            |
| PAE202829     | NME201171       | 50%      | 100%           | 99.7%            |
| PAE202829     | PAE202829       | 100%     | 100%           | 100%             |
| PAE202829     | PPU111541       | 63%      | 100%           | 98.2%            |
| PAE202829     | PSY102269       | 61%      | 100%           | 100%             |
| PAE202829     | SPY200945       | 32%      | 20%            | 23.2%            |
| PAE202946     | BFR12474        | 40%      | 98%            | 40.9%            |
| PAE202946     | BCE110714       | 77%      | 97.6%          | 100%             |
| PAE202946     | BFU105460       | 78%      | 95.2%          | 98.8%            |
| PAE202946     | BMA108919       | 75%      | 95.2%          | 98.8%            |
| PAE202946     | CAC102927       | 42%      | 99.2%          | 98.8%            |
| PAE202946     | CBO101360       | 45%      | 98.8%          | 97.2%            |
| PAE202946     | CDF104345       | 42%      | 98%            | 95.7%            |
| PAE202946     | CDP101127       | 53%      | 95.2%          | 93.4%            |
| PAE202946     | KPN305124       | 46%      | 98%            | 95.7%            |
| PAE202946     | LMO102006       | 41%      | 98%            | 98.8%            |
| PAE202946     | MAV103322       | 52%      | 95.2%          | 94.1%            |
| PAE202946     | MBV100257       | 56%      | 98.4%          | 93.6%            |
| PAE202946     | MTU202038       | 56%      | 98.4%          | 99.2%            |
| PAE202946     | PAE202946       | 100%     | 100%           | 100%             |
| PAE202946     | PPU105263       | 74%      | 100%           | 100%             |
| PAE202946     | PSY105227       | 75%      | 99.2%          | 99.6%            |
| PAE202946     | SPA101461       | 47%      | 98%            | 95.7%            |
| PAE202946     | STY103303       | 47%      | 98%            | 95.7%            |
| PAE202947     | ABA105518       | 34%      | 88.3%          | 83.3%            |
| PAE202947     | BAN113370       | 24%      | 46.0%          | 98.4%            |
| PAE202947     | BAN108978       | 28%      | 51.1%          | 98.2%            |
| PAE202947     | BAN100793       | 24%      | 96.2%          | 96.6%            |
| PAE202947     | BAN106734       | 27%      | 96.2%          | 97.9%            |
| PAE202947     | BBU100645       | 27%      | 34.6%          | 34.6%            |
| PAE202947     | BFU108292       | 26%      | 76.5%          | 89.7%            |
| PAE202947     | BFU100482       | 32%      | 77.1%          | 90.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE202947     | CJU100735       | 28%      | 38.4%          | 47.7%            |
| PAE202947     | HPY100727       | 23%      | 68.9%          | 78.0%            |
| PAE202947     | MTU403691       | 25%      | 79.0%          | 77.1%            |
| PAE202947     | MTU405320       | 26%      | 79.0%          | 77.1%            |
| PAE202947     | MGE100335       | 17%      | 79.0%          | 91.4%            |
| PAE202947     | MPN100368       | 21%      | 78.7%          | 91.0%            |
| PAE202947     | NGO101899       | 27%      | 76.2%          | 95.2%            |
| PAE202947     | NME202051       | 28%      | 76.5%          | 76.3%            |
| PAE202947     | PMU100355       | 24%      | 76.8%          | 90.8%            |
| PAE202947     | PAE202947       | 100%     | 100%           | 100%             |
| PAE202947     | SAU800615       | 22%      | 78.4%          | 92.7%            |
| PAE202947     | SEP200190       | 23%      | 83.2%          | 99.2%            |
| PAE202947     | UUR100019       | 20%      | 82.9%          | 92.4%            |
| PAE202989     | ABA103540       | 63%      | 98.9%          | 97.0%            |
| PAE202989     | EBC104137       | 62%      | 99.4%          | 99.1%            |
| PAE202989     | ECO103868       | 62%      | 95.5%          | 100%             |
| PAE202989     | KPN303224       | 58%      | 68.1%          | 97.5%            |
| PAE202989     | MCA103082       | 60%      | 99.4%          | 87.9%            |
| PAE202989     | MAV103003       | 42%      | 98.7%          | 97.0%            |
| PAE202989     | MBV105108       | 42%      | 98.7%          | 97.0%            |
| PAE202989     | MTU202676       | 42%      | 98.7%          | 97.6%            |
| PAE202989     | PRT105115       | 63%      | 99.1%          | 99.1%            |
| PAE202989     | PAE202989       | 100%     | 100%           | 100%             |
| PAE202989     | PPU101827       | 85%      | 100%           | 100%             |
| PAE202989     | PSY102905       | 84%      | 100%           | 97.3%            |
| PAE202989     | SPA102621       | 57%      | 68.1%          | 97.5%            |
| PAE202989     | STY102734       | 62%      | 99.4%          | 99.1%            |
| PAE202989     | SEP200143       | 27%      | 96.6%          | 97.7%            |
| PAE202989     | VCH100150       | 61%      | 99.1%          | 98.9%            |
| PAE202989     | YPS001763       | 63%      | 99.4%          | 99.1%            |
| PAE203003     | ABA104411       | 61%      | 91.9%          | 91.2%            |
| PAE203003     | BFR11494        | 32%      | 78.0%          | 25.8%            |
| PAE203003     | BFR102425       | 30%      | 76.8%          | 25.4%            |
| PAE203003     | BPT102882       | 51%      | 90.7%          | 86.9%            |
| PAE203003     | BBU100619       | 30%      | 66.9%          | 41.8%            |
| PAE203003     | BCE101499       | 50%      | 98.2%          | 98.0%            |
| PAE203003     | BFU101289       | 48%      | 98.2%          | 98.0%            |
| PAE203003     | BMA104623       | 51%      | 97.9%          | 97.7%            |
| PAE203003     | CAC100166       | 30%      | 82.2%          | 53.5%            |
| PAE203003     | CDP101664       | 34%      | 69.3%          | 70.2%            |
| PAE203003     | EBC100833       | 55%      | 48.2%          | 98.2%            |
| PAE203003     | ECO101080       | 52%      | 95.2%          | 93.5%            |
| PAE203003     | HIN100939       | 52%      | 87.7%          | 83.5%            |
| PAE203003     | KPN300959       | 52%      | 95.2%          | 93.8%            |
| PAE203003     | LPN100014       | 30%      | 79.8%          | 74.6%            |
| PAE203003     | LPN100836       | 29%      | 75.9%          | 72.5%            |
| PAE203003     | MCA101241       | 50%      | 97.3%          | 94.6%            |
| PAE203003     | MAV102122       | 33%      | 68.4%          | 60.3%            |
| PAE203003     | MBV104826       | 33%      | 65.4%          | 57.7%            |
| PAE203003     | MLP101517       | 32%      | 71.1%          | 61.5%            |
| PAE203003     | MTU200236       | 34%      | 65.4%          | 57.7%            |
| PAE203003     | NGO101850       | 49%      | 82.8%          | 78.4%            |
| PAE203003     | NME200652       | 50%      | 82.8%          | 78.4%            |
| PAE203003     | PMU100071       | 47%      | 98.2%          | 96.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203003     | PRT105906       | 49%      | 98.5%          | 98.2%            |
| PAE203003     | PAE203003       | 100%     | 100%           | 100%             |
| PAE203003     | PPU109017       | 84%      | 100%           | 90.2%            |
| PAE203003     | PSY102892       | 84%      | 100%           | 98.8%            |
| PAE203003     | SPA101787       | 50%      | 97.3%          | 95.6%            |
| PAE203003     | STY102545       | 50%      | 97.3%          | 95.6%            |
| PAE203003     | STM102735       | 50%      | 97.3%          | 95.6%            |
| PAE203003     | SHA102342       | 27%      | 56.0%          | 34.8%            |
| PAE203003     | VCH100679       | 48%      | 96.1%          | 95.8%            |
| PAE203003     | YPS003184       | 51%      | 97.9%          | 95.6%            |
| PAE203004     | ABA100588       | 34%      | 39.1%          | 43.3%            |
| PAE203004     | BAN108099       | 33%      | 30.5%          | 36.6%            |
| PAE203004     | BCE113782       | 37%      | 87.6%          | 74.4%            |
| PAE203004     | BFU110691       | 37%      | 94.0%          | 71.9%            |
| PAE203004     | BMA109988       | 60%      | 29.6%          | 85.2%            |
| PAE203004     | CAC101145       | 30%      | 31.3%          | 37.4%            |
| PAE203004     | EFA103871       | 24%      | 60.9%          | 66.3%            |
| PAE203004     | MAV102370       | 35%      | 39.9%          | 46%              |
| PAE203004     | MBV102431       | 31%      | 55.8%          | 57.0%            |
| PAE203004     | MTU201664       | 31%      | 55.8%          | 57.0%            |
| PAE203004     | PAE203004       | 100%     | 100%           | 100%             |
| PAE203004     | PPU108988       | 85%      | 98.3%          | 97.0%            |
| PAE203004     | PSY108753       | 82%      | 100%           | 99.2%            |
| PAE203004     | VCH101713       | 41%      | 89.3%          | 91.5%            |
| PAE203009     | ABA104108       | 66%      | 99.1%          | 97.3%            |
| PAE203009     | BAN109416       | 39%      | 86.2%          | 93.6%            |
| PAE203009     | BAN101551       | 39%      | 88.4%          | 91.6%            |
| PAE203009     | BFR101155       | 40%      | 71.1%          | 78.5%            |
| PAE203009     | BPT100056       | 25%      | 69.8%          | 72.6%            |
| PAE203009     | BBU100827       | 35%      | 66.2%          | 67.6%            |
| PAE203009     | BCE103151       | 26%      | 59.9%          | 78.4%            |
| PAE203009     | BFU100507       | 26%      | 59.9%          | 61.3%            |
| PAE203009     | BMA106704       | 27%      | 59.9%          | 87.6%            |
| PAE203009     | CJU101590       | 40%      | 85.6%          | 99.9%            |
| PAE203009     | CPN201084       | 37%      | 91.0%          | 83.0%            |
| PAE203009     | CTR200012       | 36%      | 90.9%          | 83.6%            |
| PAE203009     | CAC102294       | 38%      | 90.9%          | 92.4%            |
| PAE203009     | CBO102039       | 39%      | 86.9%          | 88.7%            |
| PAE203009     | CDF100883       | 38%      | 86.3%          | 99.0%            |
| PAE203009     | CDP100002       | 42%      | 65.8%          | 60.5%            |
| PAE203009     | EBC101405       | 69%      | 62.1%          | 100%             |
| PAE203009     | EFA201307       | 39%      | 84.4%          | 98.3%            |
| PAE203009     | EFM201130       | 40%      | 90.8%          | 90.7%            |
| PAE203009     | ECO101245       | 67%      | 100%           | 100%             |
| PAE203009     | HIN101331       | 64%      | 100%           | 100%             |
| PAE203009     | HPY100114       | 38%      | 90.8%          | 93.3%            |
| PAE203009     | KPN301380       | 67%      | 99.3%          | 99.4%            |
| PAE203009     | LPN102138       | 38%      | 85.0%          | 93.8%            |
| PAE203009     | LMO102467       | 38%      | 88.4%          | 91.6%            |
| PAE203009     | MCA101981       | 62%      | 99.1%          | 99.8%            |
| PAE203009     | MAV107800       | 40%      | 71.2%          | 69.3%            |
| PAE203009     | MBV102420       | 40%      | 71.3%          | 65.3%            |
| PAE203009     | MLP100140       | 39%      | 71.2%          | 68.5%            |
| PAE203009     | MTU203594       | 40%      | 71.3%          | 69.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203009     | MGE100124       | 32%      | 79.6%          | 98.2%            |
| PAE203009     | MPN100572       | 32%      | 72.0%          | 91.3%            |
| PAE203009     | NGO101687       | 40%      | 85.0%          | 93.1%            |
| PAE203009     | NME200149       | 41%      | 85.0%          | 93.1%            |
| PAE203009     | PMU100615       | 64%      | 100%           | 100%             |
| PAE203009     | PRT105667       | 65%      | 99.9%          | 100%             |
| PAE203009     | PAE203009       | 100%     | 100%           | 100%             |
| PAE203009     | PPU101660       | 89%      | 100%           | 100%             |
| PAE203009     | PSY102886       | 86%      | 100%           | 100%             |
| PAE203009     | SPA101976       | 61%      | 78.3%          | 100%             |
| PAE203009     | STY103035       | 66%      | 100%           | 100%             |
| PAE203009     | STM103402       | 22%      | 56.8%          | 81.5%            |
| PAE203009     | SAU801250       | 41%      | 88.4%          | 91.7%            |
| PAE203009     | SEP201542       | 40%      | 88.4%          | 91.7%            |
| PAE203009     | SHA100660       | 38%      | 88.4%          | 91.7%            |
| PAE203009     | SMU100120       | 38%      | 85.7%          | 97.2%            |
| PAE203009     | SPN401140       | 40%      | 85.7%          | 86.0%            |
| PAE203009     | SPY200890       | 39%      | 85.7%          | 96.5%            |
| PAE203009     | TPA100390       | 37%      | 86.3%          | 95.2%            |
| PAE203009     | UUR100597       | 31%      | 79.6%          | 97.3%            |
| PAE203009     | VCH101702       | 66%      | 100%           | 99.5%            |
| PAE203009     | YPS000900       | 67%      | 100%           | 100%             |
| PAE203011     | ABA101100       | 66%      | 99.7%          | 99.5%            |
| PAE203011     | EBC103299       | 64%      | 98.0%          | 99.2%            |
| PAE203011     | ECO103757       | 64%      | 98.2%          | 99.2%            |
| PAE203011     | KPN308912       | 64%      | 98.2%          | 99.2%            |
| PAE203011     | MCA100366       | 64%      | 99.7%          | 99.5%            |
| PAE203011     | PRT105123       | 58%      | 98.2%          | 99.2%            |
| PAE203011     | PAE203011       | 100%     | 100%           | 100%             |
| PAE203011     | PPU101672       | 93%      | 100%           | 100%             |
| PAE203011     | PSY102884       | 91%      | 98.0%          | 100%             |
| PAE203011     | SPA101937       | 64%      | 98.2%          | 99.2%            |
| PAE203011     | STY101985       | 64%      | 98.2%          | 99.2%            |
| PAE203011     | VCH102720       | 64%      | 98.0%          | 99.0%            |
| PAE203011     | YPS000583       | 63%      | 98.5%          | 99.5%            |
| PAE203038     | BPT100995       | 39%      | 100%           | 100%             |
| PAE203038     | BCE112739       | 41%      | 90.8%          | 75.4%            |
| PAE203038     | BFU108125       | 42%      | 90.8%          | 95%              |
| PAE203038     | BMA107559       | 43%      | 90.8%          | 68.3%            |
| PAE203038     | EBC104086       | 37%      | 93.6%          | 97.0%            |
| PAE203038     | ECO103031       | 32%      | 89.9%          | 93.1%            |
| PAE203038     | KPN301957       | 37%      | 89.9%          | 93.1%            |
| PAE203038     | PMU100612       | 24%      | 90.8%          | 92.2%            |
| PAE203038     | PRT106147       | 33%      | 91.7%          | 95.0%            |
| PAE203038     | PAE203038       | 100%     | 100%           | 100%             |
| PAE203038     | PPU108934       | 61%      | 87.2%          | 100%             |
| PAE203038     | PSY108848       | 61%      | 97.2%          | 98.1%            |
| PAE203038     | SPA101873       | 32%      | 86.2%          | 92.8%            |
| PAE203038     | STY100868       | 34%      | 89.9%          | 93.1%            |
| PAE203038     | STM101317       | 34%      | 89.9%          | 93.1%            |
| PAE203038     | YPS001843       | 33%      | 100%           | 100%             |
| PAE203039     | BPT103478       | 32%      | 90.5%          | 83.9%            |
| PAE203039     | BCE113227       | 35%      | 89.7%          | 87.6%            |
| PAE203039     | BFU108127       | 33%      | 86.5%          | 85.2%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203039     | BMA103301       | 35%      | 96.0%          | 93.8%            |
| PAE203039     | EBC104085       | 31%      | 87.3%          | 71.2%            |
| PAE203039     | ECO103032       | 31%      | 87.3%          | 81.3%            |
| PAE203039     | KPN301960       | 27%      | 87.3%          | 82.6%            |
| PAE203039     | PRT105481       | 39%      | 53.2%          | 47.8%            |
| PAE203039     | PAE203039       | 100%     | 100%           | 100%             |
| PAE203039     | PPU101755       | 69%      | 88.9%          | 90.3%            |
| PAE203039     | PSY102584       | 71%      | 95.2%          | 93.8%            |
| PAE203039     | SPA101874       | 30%      | 87.3%          | 71.2%            |
| PAE203039     | STY100880       | 31%      | 87.3%          | 82.6%            |
| PAE203039     | STM101320       | 31%      | 87.3%          | 82.6%            |
| PAE203039     | YPS001820       | 32%      | 93.7%          | 90.1%            |
| PAE203045     | BFR11462        | 27%      | 33.0%          | 32.8%            |
| PAE203045     | BPT100984       | 41%      | 89.7%          | 84.6%            |
| PAE203045     | BCE107003       | 43%      | 94.3%          | 88.0%            |
| PAE203045     | BFU101441       | 40%      | 93.7%          | 73.0%            |
| PAE203045     | BMA106620       | 42%      | 92.9%          | 78.1%            |
| PAE203045     | CDP100677       | 23%      | 86.1%          | 82.4%            |
| PAE203045     | EBC102682       | 28%      | 82.6%          | 90.0%            |
| PAE203045     | ECO103112       | 27%      | 89.3%          | 89.3%            |
| PAE203045     | HIN101297       | 26%      | 93.7%          | 91.2%            |
| PAE203045     | KPN300612       | 27%      | 70.6%          | 99.4%            |
| PAE203045     | LPN103187       | 22%      | 36.3%          | 38.8%            |
| PAE203045     | MAV100593       | 27%      | 37.2%          | 39.0%            |
| PAE203045     | MBV102407       | 27%      | 27.7%          | 14.4%            |
| PAE203045     | MLP100149       | 26%      | 36.1%          | 38.0%            |
| PAE203045     | MTU203575       | 27%      | 27.7%          | 13.9%            |
| PAE203045     | NGO101705       | 37%      | 92.0%          | 91.5%            |
| PAE203045     | NME200616       | 37%      | 92.0%          | 91.5%            |
| PAE203045     | PMU100716       | 26%      | 94.3%          | 90.3%            |
| PAE203045     | PRT100792       | 28%      | 96.2%          | 92.5%            |
| PAE203045     | PAE203045       | 100%     | 100%           | 100%             |
| PAE203045     | PPU101770       | 72%      | 99.4%          | 97.5%            |
| PAE203045     | PSY105582       | 71%      | 99.4%          | 97.1%            |
| PAE203045     | SPA101091       | 27%      | 86.6%          | 86.8%            |
| PAE203045     | STY101484       | 27%      | 86.6%          | 86.8%            |
| PAE203045     | STM101734       | 27%      | 86.6%          | 86.8%            |
| PAE203045     | VCH100620       | 24%      | 84.9%          | 81.5%            |
| PAE203045     | YPS002128       | 28%      | 86.6%          | 85.9%            |
| PAE203066     | BCE100016       | 62%      | 31.7%          | 100%             |
| PAE203066     | BFU115027       | 45%      | 97.4%          | 97.9%            |
| PAE203066     | KPN304858       | 31%      | 5.1%           | 30.8%            |
| PAE203066     | LPN102155       | 48%      | 69.0%          | 99.5%            |
| PAE203066     | LPN100305       | 47%      | 97.5%          | 97.2%            |
| PAE203066     | MAV100776       | 39%      | 94.0%          | 93.9%            |
| PAE203066     | MBV101525       | 39%      | 94.0%          | 94.1%            |
| PAE203066     | MLP100774       | 39%      | 94.0%          | 94.1%            |
| PAE203066     | MTU202440       | 39%      | 94.0%          | 94.1%            |
| PAE203066     | PAE203066       | 100%     | 100%           | 100%             |
| PAE203066     | PPU103150       | 83%      | 99.8%          | 97.3%            |
| PAE203066     | PSY101603       | 83%      | 99.6%          | 99.8%            |
| PAE203066     | SPA100328       | 31%      | 5.1%           | 30.9%            |
| PAE203066     | VCH101469       | 47%      | 97.3%          | 97.6%            |
| PAE203080     | BCE106339       | 25%      | 89.0%          | 91.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203080     | BFU103586       | 23%      | 90.2%          | 80.7%            |
| PAE203080     | MGE100195       | 32%      | 11.9%          | 8.4%             |
| PAE203080     | PRT103376       | 29%      | 13.5%          | 18.6%            |
| PAE203080     | PAE203920       | 32%      | 95.3%          | 96.3%            |
| PAE203080     | PAE203080       | 100%     | 100%           | 100%             |
| PAE203080     | PPU109819       | 32%      | 96.5%          | 89.6%            |
| PAE203080     | PSY102424       | 31%      | 95.9%          | 96.6%            |
| PAE203080     | SPN400446       | 22%      | 16.5%          | 52.3%            |
| PAE203119     | ABA104781       | 75%      | 99.2%          | 99.6%            |
| PAE203119     | BAN100313       | 52%      | 98.7%          | 100%             |
| PAE203119     | BAN100367       | 53%      | 98.9%          | 97.6%            |
| PAE203119     | BFR12153        | 51%      | 98.9%          | 99.6%            |
| PAE203119     | BPT101910       | 73%      | 98.5%          | 96.9%            |
| PAE203119     | BCE108881       | 71%      | 98.9%          | 99.4%            |
| PAE203119     | BFU100662       | 67%      | 98.3%          | 91.7%            |
| PAE203119     | BMA104026       | 71%      | 98.9%          | 61.9%            |
| PAE203119     | CJU101621       | 50%      | 99.2%          | 98.7%            |
| PAE203119     | CAC102015       | 31%      | 94.1%          | 92.9%            |
| PAE203119     | CDF100900       | 34%      | 76.4%          | 76.5%            |
| PAE203119     | CDP100261       | 56%      | 98.7%          | 96.5%            |
| PAE203119     | EBC102532       | 62%      | 98.9%          | 99.6%            |
| PAE203119     | ECO100072       | 63%      | 98.9%          | 99.4%            |
| PAE203119     | HIN100969       | 59%      | 98.9%          | 98.9%            |
| PAE203119     | KPN301553       | 63%      | 98.9%          | 99.4%            |
| PAE203119     | LMO100765       | 54%      | 99.2%          | 98.3%            |
| PAE203119     | MCA100223       | 73%      | 99.2%          | 99.6%            |
| PAE203119     | MAV108159       | 60%      | 97.3%          | 95.8%            |
| PAE203119     | MBV102077       | 61%      | 97.3%          | 96.4%            |
| PAE203119     | MLP101031       | 60%      | 97.7%          | 95.3%            |
| PAE203119     | MTU202950       | 61%      | 97.3%          | 96.4%            |
| PAE203119     | NGO101165       | 67%      | 99.6%          | 99.8%            |
| PAE203119     | NME201321       | 67%      | 99.2%          | 99.4%            |
| PAE203119     | PMU101960       | 62%      | 98.9%          | 98.9%            |
| PAE203119     | PRT101170       | 62%      | 98.7%          | 98.5%            |
| PAE203119     | PAE203119       | 100%     | 100%           | 100%             |
| PAE203119     | PPU103214       | 87%      | 99.8%          | 99.0%            |
| PAE203119     | PSY104878       | 88%      | 99.6%          | 99.2%            |
| PAE203119     | SPA102560       | 61%      | 96.8%          | 99.6%            |
| PAE203119     | STY103139       | 62%      | 98.9%          | 99.4%            |
| PAE203119     | STM104156       | 54%      | 99.8%          | 99.2%            |
| PAE203119     | SAU802059       | 55%      | 99.4%          | 99.6%            |
| PAE203119     | SEP201303       | 55%      | 99.4%          | 99.6%            |
| PAE203119     | SHA102193       | 55%      | 59.3%          | 98.9%            |
| PAE203119     | SMU100436       | 52%      | 99.6%          | 98.9%            |
| PAE203119     | VCH102456       | 60%      | 98.7%          | 98.9%            |
| PAE203119     | YPS000958       | 64%      | 99.4%          | 97.7%            |
| PAE203149     | CJU101238       | 40%      | 92.4%          | 90.7%            |
| PAE203149     | PAE203149       | 100%     | 100%           | 100%             |
| PAE203151     | ABA105529       | 20%      | 96.1%          | 100%             |
| PAE203151     | BFR100084       | 20%      | 76.6%          | 63.4%            |
| PAE203151     | CAC100183       | 19%      | 88.1%          | 85.7%            |
| PAE203151     | EFM102346       | 24%      | 45.7%          | 47.5%            |
| PAE203151     | ECO102005       | 19%      | 84.2%          | 68.3%            |
| PAE203151     | PAE203151       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203151     | PSY104681       | 29%      | 26.8%          | 26.2%            |
| PAE203151     | STY103547       | 20%      | 79.8%          | 66.5%            |
| PAE203151     | SAU504261       | 23%      | 94.6%          | 93.7%            |
| PAE203151     | SEP200907       | 29%      | 17.8%          | 22.3%            |
| PAE203152     | EBC102936       | 25%      | 22.1%          | 20.7%            |
| PAE203152     | PAE203152       | 100%     | 100%           | 100%             |
| PAE203158     | BFR101226       | 26%      | 22.1%          | 24.1%            |
| PAE203158     | BFU110441       | 20%      | 57.8%          | 30.4%            |
| PAE203158     | BFU105499       | 29%      | 26.1%          | 12.2%            |
| PAE203158     | BFU105525       | 17%      | 31.3%          | 35.9%            |
| PAE203158     | BFU100854       | 25%      | 12.9%          | 20.3%            |
| PAE203158     | CBO103682       | 36%      | 13.2%          | 20.3%            |
| PAE203158     | EBC102060       | 23%      | 95.4%          | 93.6%            |
| PAE203158     | EFA201750       | 23%      | 31.6%          | 26.3%            |
| PAE203158     | ECO100955       | 40%      | 12.1%          | 5.8%             |
| PAE203158     | ECO101986       | 20%      | 95.4%          | 90.5%            |
| PAE203158     | HIN100846       | 21%      | 54.6%          | 90.8%            |
| PAE203158     | KPN301895       | 19%      | 94.8%          | 98.2%            |
| PAE203158     | MBV100603       | 28%      | 32.8%          | 24.2%            |
| PAE203158     | MTU202161       | 28%      | 32.8%          | 24.2%            |
| PAE203158     | PRT102865       | 20%      | 94.0%          | 93.8%            |
| PAE203158     | PAE200937       | 21%      | 97.4%          | 93.4%            |
| PAE203158     | PAE203158       | 100%     | 100%           | 100%             |
| PAE203158     | SPA109962       | 23%      | 95.4%          | 93.3%            |
| PAE203158     | STY103505       | 23%      | 95.4%          | 93.3%            |
| PAE203158     | STM101038       | 21%      | 94.0%          | 94.5%            |
| PAE203158     | YPS001521       | 21%      | 97.4%          | 96.9%            |
| PAE203171     | ABA103036       | 54%      | 99.2%          | 98.0%            |
| PAE203171     | EBC101402       | 48%      | 98.8%          | 95.7%            |
| PAE203171     | ECO101242       | 50%      | 98.8%          | 95.6%            |
| PAE203171     | KPN301384       | 51%      | 98.8%          | 95.7%            |
| PAE203171     | MCA100527       | 51%      | 99.6%          | 93.8%            |
| PAE203171     | NGO100381       | 36%      | 93.9%          | 90.6%            |
| PAE203171     | NME201227       | 35%      | 93.9%          | 90.6%            |
| PAE203171     | PRT104910       | 51%      | 100%           | 96.5%            |
| PAE203171     | PAE203171       | 100%     | 100%           | 100%             |
| PAE203171     | PPU105935       | 78%      | 100%           | 100%             |
| PAE203171     | PSY103185       | 71%      | 100%           | 100%             |
| PAE203171     | SPA102162       | 44%      | 67.1%          | 94.2%            |
| PAE203171     | STY103032       | 51%      | 98.8%          | 95.7%            |
| PAE203171     | STM101349       | 51%      | 98.8%          | 95.7%            |
| PAE203171     | VCH101040       | 55%      | 98.8%          | 98.0%            |
| PAE203171     | YPS000894       | 52%      | 98.8%          | 95.7%            |
| PAE203198     | ABA100363       | 32%      | 93.6%          | 98.6%            |
| PAE203198     | BPT101825       | 43%      | 92.5%          | 96.1%            |
| PAE203198     | BCE111281       | 40%      | 94.2%          | 99.6%            |
| PAE203198     | BFU102363       | 40%      | 94.2%          | 99.6%            |
| PAE203198     | BMA103704       | 40%      | 94.2%          | 98.6%            |
| PAE203198     | CAC102768       | 28%      | 85.8%          | 89.1%            |
| PAE203198     | CBO102397       | 22%      | 94.9%          | 98.5%            |
| PAE203198     | CDF102791       | 25%      | 91.9%          | 96.0%            |
| PAE203198     | EBC100384       | 41%      | 67.1%          | 94.7%            |
| PAE203198     | EFM200458       | 37%      | 25.4%          | 8.7%             |
| PAE203198     | ECO101237       | 38%      | 96.3%          | 95.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203198     | HIN101368       | 38%      | 93.9%          | 98.9%            |
| PAE203198     | KPN301377       | 39%      | 92.2%          | 93.7%            |
| PAE203198     | LPN102412       | 34%      | 92.5%          | 96.1%            |
| PAE203198     | MCA101529       | 32%      | 93.9%          | 89.6%            |
| PAE203198     | NGO101870       | 42%      | 94.6%          | 99.6%            |
| PAE203198     | NME200589       | 43%      | 94.6%          | 99.6%            |
| PAE203198     | PMU100616       | 42%      | 93.6%          | 97.5%            |
| PAE203198     | PRT101796       | 37%      | 92.2%          | 94.1%            |
| PAE203198     | PAE203198       | 100%     | 100%           | 100%             |
| PAE203198     | PPU102596       | 75%      | 94.6%          | 97.6%            |
| PAE203198     | PSY103202       | 77%      | 94.2%          | 96.9%            |
| PAE203198     | SPA102158       | 38%      | 92.2%          | 91.8%            |
| PAE203198     | STY103028       | 38%      | 92.2%          | 91.8%            |
| PAE203198     | STM102262       | 36%      | 20.3%          | 25.7%            |
| PAE203198     | VCH101158       | 35%      | 93.2%          | 93.8%            |
| PAE203198     | YPS000874       | 39%      | 92.2%          | 90.0%            |
| PAE203213     | ABA100298       | 36%      | 98.2%          | 98.5%            |
| PAE203213     | EBC101974       | 28%      | 91.4%          | 92.2%            |
| PAE203213     | ECO101470       | 28%      | 28.2%          | 38.7%            |
| PAE203213     | ECO104010       | 32%      | 24.6%          | 32.8%            |
| PAE203213     | ECO103438       | 28%      | 25.2%          | 33.9%            |
| PAE203213     | ECO100554       | 31%      | 22.6%          | 30.5%            |
| PAE203213     | ECO103439       | 38%      | 24.9%          | 30.7%            |
| PAE203213     | MBV103623       | 29%      | 91.4%          | 87.0%            |
| PAE203213     | MTU203042       | 30%      | 88.4%          | 87.1%            |
| PAE203213     | NGO100172       | 36%      | 27.0%          | 30.3%            |
| PAE203213     | NME102614       | 36%      | 27.0%          | 30.2%            |
| PAE203213     | PRT104740       | 34%      | 30.9%          | 36.5%            |
| PAE203213     | PAE203213       | 100%     | 100%           | 100%             |
| PAE203213     | PPU101064       | 68%      | 98.2%          | 94.1%            |
| PAE203213     | PSY101584       | 31%      | 82.5%          | 91.3%            |
| PAE203213     | STY103615       | 35%      | 35.3%          | 45.5%            |
| PAE203213     | STM102200       | 35%      | 35.3%          | 45.2%            |
| PAE203213     | SMU100002       | 24%      | 75.1%          | 73.3%            |
| PAE203278     | ABA102827       | 25%      | 40.9%          | 51.6%            |
| PAE203278     | BFR104483       | 22%      | 87.9%          | 91.6%            |
| PAE203278     | BFR104778       | 25%      | 87.9%          | 83.1%            |
| PAE203278     | BCE109710       | 24%      | 21.2%          | 23.3%            |
| PAE203278     | BFU106544       | 31%      | 21.2%          | 20.5%            |
| PAE203278     | BFU108704       | 35%      | 21.2%          | 20.7%            |
| PAE203278     | MPN100010       | 27%      | 30.8%          | 32.4%            |
| PAE203278     | PAE203277       | 72%      | 100%           | 100%             |
| PAE203278     | PAE203278       | 100%     | 100%           | 100%             |
| PAE203278     | PPU108704       | 66%      | 100%           | 100%             |
| PAE203278     | STM103492       | 29%      | 13.9%          | 15.3%            |
| PAE203372     | BPT104160       | 24%      | 43.2%          | 31.7%            |
| PAE203372     | BCE104817       | 27%      | 24.0%          | 20.7%            |
| PAE203372     | BFU103057       | 47%      | 98.4%          | 99.5%            |
| PAE203372     | BMA102024       | 49%      | 98.4%          | 99.5%            |
| PAE203372     | CDF101026       | 31%      | 81.4%          | 79.2%            |
| PAE203372     | EBC104455       | 54%      | 98.7%          | 99.7%            |
| PAE203372     | EFA200688       | 35%      | 22.5%          | 15.8%            |
| PAE203372     | ECO103989       | 54%      | 98.7%          | 99.7%            |
| PAE203372     | KPN304684       | 53%      | 98.7%          | 99.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203372     | PAE203372       | 100%     | 100%           | 100%             |
| PAE203372     | PSY105339       | 71%      | 100%           | 100%             |
| PAE203372     | YPS000997       | 56%      | 98.7%          | 99.7%            |
| PAE203391     | ABA105158       | 25%      | 31.8%          | 28.2%            |
| PAE203391     | BMA103946       | 31%      | 57.2%          | 87.7%            |
| PAE203391     | BMA106985       | 49%      | 29.4%          | 90.4%            |
| PAE203391     | BMA106687       | 40%      | 66.6%          | 79.2%            |
| PAE203391     | CAC103354       | 22%      | 29.2%          | 27.0%            |
| PAE203391     | NGO103600       | 40%      | 39.5%          | 80.7%            |
| PAE203391     | NME200703       | 38%      | 74.8%          | 89.0%            |
| PAE203391     | PAE203391       | 100%     | 100%           | 100%             |
| PAE203413     | LPN102911       | 48%      | 99.2%          | 99.7%            |
| PAE203413     | PAE203413       | 100%     | 100%           | 100%             |
| PAE203475     | BCE113754       | 37%      | 90.9%          | 97.3%            |
| PAE203475     | BMA102624       | 37%      | 96.7%          | 97.9%            |
| PAE203475     | EBC100444       | 38%      | 55.6%          | 95.7%            |
| PAE203475     | ECO101881       | 40%      | 98.8%          | 99.2%            |
| PAE203475     | KPN300605       | 43%      | 98.8%          | 99.2%            |
| PAE203475     | LPN103648       | 39%      | 19.9%          | 21.5%            |
| PAE203475     | LPN102997       | 42%      | 22.4%          | 23.8%            |
| PAE203475     | PAE203475       | 100%     | 100%           | 100%             |
| PAE203475     | SPA102745       | 44%      | 98.8%          | 99.2%            |
| PAE203475     | STY102762       | 45%      | 98.8%          | 99.2%            |
| PAE203477     | BMA109458       | 48%      | 90.2%          | 89.0%            |
| PAE203477     | BMA109480       | 48%      | 90.2%          | 89.0%            |
| PAE203477     | PAE203477       | 100%     | 100%           | 100%             |
| PAE203482     | PAE203482       | 100%     | 100%           | 100%             |
| PAE203505     | ABA102630       | 56%      | 98.5%          | 98.9%            |
| PAE203505     | BCE111825       | 64%      | 98.1%          | 98.1%            |
| PAE203505     | BFU103535       | 31%      | 97.0%          | 81.4%            |
| PAE203505     | BFU107966       | 65%      | 98.1%          | 98.1%            |
| PAE203505     | BMA100844       | 62%      | 98.1%          | 98.1%            |
| PAE203505     | KPN303060       | 55%      | 96.2%          | 96.6%            |
| PAE203505     | PAE203505       | 100%     | 100%           | 100%             |
| PAE203520     | MAV102532       | 25%      | 48.0%          | 52.8%            |
| PAE203520     | PAE203520       | 100%     | 100%           | 100%             |
| PAE203636     | ABA100310       | 29%      | 90.3%          | 94.6%            |
| PAE203636     | BAN106833       | 32%      | 36.7%          | 36.9%            |
| PAE203636     | BAN110448       | 31%      | 47.5%          | 45.6%            |
| PAE203636     | BFR105493       | 33%      | 36.2%          | 40.4%            |
| PAE203636     | BPT101422       | 41%      | 57.7%          | 85.2%            |
| PAE203636     | BBU100787       | 25%      | 52.7%          | 53.6%            |
| PAE203636     | BCE103292       | 37%      | 92.8%          | 92.4%            |
| PAE203636     | BFU100945       | 37%      | 91.2%          | 90.5%            |
| PAE203636     | BMA101020       | 41%      | 92.8%          | 100%             |
| PAE203636     | CJU101371       | 28%      | 45.5%          | 60.4%            |
| PAE203636     | CPN200842       | 31%      | 41.4%          | 57.1%            |
| PAE203636     | CTR200223       | 31%      | 46.6%          | 65.4%            |
| PAE203636     | CAC100355       | 30%      | 48.2%          | 44.9%            |
| PAE203636     | CBO100497       | 31%      | 42.8%          | 41.5%            |
| PAE203636     | CDF101023       | 28%      | 48.6%          | 47.6%            |
| PAE203636     | CDP100675       | 30%      | 48.0%          | 70.0%            |
| PAE203636     | EBC102557       | 50%      | 51.8%          | 88.7%            |
| PAE203636     | EFA201933       | 27%      | 86.4%          | 82%              |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203636     | EFM202069       | 30%      | 57.7%          | 57.5%            |
| PAE203636     | ECO100188       | 41%      | 88.9%          | 91.0%            |
| PAE203636     | HIN100384       | 35%      | 88.7%          | 93.5%            |
| PAE203636     | HPY100716       | 29%      | 45.2%          | 57.4%            |
| PAE203636     | KPN301915       | 39%      | 93.4%          | 93.8%            |
| PAE203636     | LPN100863       | 33%      | 86.0%          | 94%              |
| PAE203636     | LMO100173       | 33%      | 47.7%          | 33.5%            |
| PAE203636     | MCA100637       | 33%      | 59.7%          | 59.2%            |
| PAE203636     | MAV100591       | 43%      | 33.9%          | 80.8%            |
| PAE203636     | MBV102370       | 38%      | 60.0%          | 77.4%            |
| PAE203636     | MLP100150       | 38%      | 60.0%          | 77.4%            |
| PAE203636     | MTU203573       | 38%      | 60.0%          | 77.4%            |
| PAE203636     | MGE100086       | 26%      | 39.4%          | 58.6%            |
| PAE203636     | MPN100609       | 27%      | 39.4%          | 58.8%            |
| PAE203636     | NGO102060       | 38%      | 67.6%          | 69.6%            |
| PAE203636     | NME201238       | 38%      | 67.6%          | 67.1%            |
| PAE203636     | PMU100289       | 33%      | 87.1%          | 92.3%            |
| PAE203636     | PRT101174       | 38%      | 88.7%          | 89.8%            |
| PAE203636     | PAE203636       | 100%     | 100%           | 100%             |
| PAE203636     | PPU101173       | 59%      | 97.1%          | 99.3%            |
| PAE203636     | PSY104335       | 62%      | 38.0%          | 100%             |
| PAE203636     | SPA100900       | 39%      | 88.7%          | 91.8%            |
| PAE203636     | STY103952       | 39%      | 88.7%          | 91.2%            |
| PAE203636     | STM103634       | 40%      | 88.7%          | 91.2%            |
| PAE203636     | SAU800509       | 31%      | 46.6%          | 49.0%            |
| PAE203636     | SEP201842       | 33%      | 42.8%          | 44.9%            |
| PAE203636     | SHA100217       | 34%      | 42.8%          | 60.2%            |
| PAE203636     | SMU101186       | 29%      | 47.7%          | 52.9%            |
| PAE203636     | SPN400010       | 26%      | 59.5%          | 55.1%            |
| PAE203636     | SPY200010       | 33%      | 44.3%          | 43.9%            |
| PAE203636     | TPA100369       | 37%      | 41.0%          | 39.6%            |
| PAE203636     | UUR100075       | 22%      | 40.5%          | 53.8%            |
| PAE203636     | VCH102208       | 37%      | 88.9%          | 89.8%            |
| PAE203636     | YPS001161       | 38%      | 93.0%          | 93.5%            |
| PAE203641     | ABA100586       | 44%      | 97.6%          | 97.7%            |
| PAE203641     | BFR101347       | 30%      | 98.7%          | 100%             |
| PAE203641     | BPT101131       | 45%      | 98.4%          | 98.7%            |
| PAE203641     | BCE101730       | 48%      | 98.9%          | 97.2%            |
| PAE203641     | BFU112783       | 46%      | 98.4%          | 98.9%            |
| PAE203641     | BMA105530       | 48%      | 98.9%          | 97.4%            |
| PAE203641     | CJU100259       | 27%      | 72.8%          | 73.4%            |
| PAE203641     | CPN200879       | 33%      | 89.9%          | 57.1%            |
| PAE203641     | CTR200682       | 34%      | 83.3%          | 52.6%            |
| PAE203641     | CDF100133       | 26%      | 36.0%          | 33.7%            |
| PAE203641     | EBC102551       | 53%      | 98.4%          | 98.4%            |
| PAE203641     | ECO100182       | 53%      | 98.4%          | 98.4%            |
| PAE203641     | HIN101037       | 50%      | 97.9%          | 96.9%            |
| PAE203641     | HPY100854       | 29%      | 82.3%          | 83.9%            |
| PAE203641     | KPN301924       | 54%      | 98.7%          | 98.4%            |
| PAE203641     | LPN103576       | 45%      | 97.1%          | 98.7%            |
| PAE203641     | MCA101525       | 40%      | 97.4%          | 93.7%            |
| PAE203641     | NGO100750       | 47%      | 97.1%          | 96.9%            |
| PAE203641     | NME200064       | 47%      | 97.1%          | 96.9%            |
| PAE203641     | PMU101997       | 49%      | 98.1%          | 96.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203641     | PRT101244       | 53%      | 97.9%          | 95.9%            |
| PAE203641     | PAE203641       | 100%     | 100%           | 100%             |
| PAE203641     | PPU101166       | 80%      | 98.9%          | 99.2%            |
| PAE203641     | PSY104341       | 78%      | 99.2%          | 98.4%            |
| PAE203641     | SPA100775       | 59%      | 38.1%          | 94.7%            |
| PAE203641     | STY103912       | 53%      | 98.4%          | 98.4%            |
| PAE203641     | STM103625       | 53%      | 98.4%          | 98.4%            |
| PAE203641     | VCH102213       | 50%      | 98.7%          | 98.9%            |
| PAE203641     | YPS001151       | 52%      | 98.7%          | 95.7%            |
| PAE203700     | BCE108743       | 57%      | 98.2%          | 100%             |
| PAE203700     | BMA102491       | 57%      | 98.5%          | 96.5%            |
| PAE203700     | PAE203700       | 100%     | 100%           | 100%             |
| PAE203700     | PPU107886       | 75%      | 99.7%          | 99.4%            |
| PAE203700     | PSY104903       | 72%      | 99.4%          | 100%             |
| PAE203706     | BPT102843       | 63%      | 96.7%          | 96.4%            |
| PAE203706     | BCE102508       | 67%      | 68.6%          | 99.5%            |
| PAE203706     | BFU103516       | 60%      | 97.8%          | 97.6%            |
| PAE203706     | BMA107817       | 60%      | 99.1%          | 99.3%            |
| PAE203706     | EFM102565       | 76%      | 29.5%          | 100%             |
| PAE203706     | PAE203706       | 100%     | 100%           | 100%             |
| PAE203706     | PPU108754       | 77%      | 100%           | 99.8%            |
| PAE203713     | BPT105932       | 32%      | 18.0%          | 23.3%            |
| PAE203713     | BCE110115       | 21%      | 20.6%          | 32.4%            |
| PAE203713     | CAC100257       | 25%      | 16.0%          | 16.9%            |
| PAE203713     | CBO101444       | 22%      | 36.8%          | 77.4%            |
| PAE203713     | CBO102514       | 19%      | 62.9%          | 44.8%            |
| PAE203713     | MCA101008       | 31%      | 3.0%           | 39.1%            |
| PAE203713     | PAE203713       | 100%     | 100%           | 100%             |
| PAE203734     | ABA104395       | 37%      | 94.2%          | 84.5%            |
| PAE203734     | BPT101697       | 30%      | 76.0%          | 59.4%            |
| PAE203734     | BCE104511       | 30%      | 100%           | 98.3%            |
| PAE203734     | BFU102511       | 30%      | 97.5%          | 97.5%            |
| PAE203734     | BMA105976       | 30%      | 96.7%          | 95.0%            |
| PAE203734     | CTR200833       | 25%      | 31.0%          | 43.4%            |
| PAE203734     | EBC102953       | 45%      | 78.9%          | 77.6%            |
| PAE203734     | ECO102829       | 41%      | 94.6%          | 92.4%            |
| PAE203734     | HIN101185       | 36%      | 94.2%          | 95.2%            |
| PAE203734     | KPN303323       | 41%      | 94.2%          | 91.6%            |
| PAE203734     | MCA103261       | 31%      | 93.4%          | 86.6%            |
| PAE203734     | NGO101461       | 28%      | 90.5%          | 82.0%            |
| PAE203734     | NME200672       | 28%      | 90.5%          | 82.3%            |
| PAE203734     | PMU100191       | 35%      | 92.6%          | 94.3%            |
| PAE203734     | PRT102354       | 39%      | 92.6%          | 91.9%            |
| PAE203734     | PAE203734       | 100%     | 100%           | 100%             |
| PAE203734     | PPU107820       | 68%      | 98.8%          | 99.2%            |
| PAE203734     | PSY108357       | 66%      | 100%           | 100%             |
| PAE203734     | SPA102979       | 41%      | 94.2%          | 89.9%            |
| PAE203734     | STY104139       | 42%      | 94.2%          | 89.9%            |
| PAE203734     | STM102243       | 22%      | 62.4%          | 82.6%            |
| PAE203734     | VCH102383       | 39%      | 81.0%          | 79.6%            |
| PAE203734     | YPS000163       | 43%      | 92.6%          | 90.8%            |
| PAE203761     | ABA100205       | 43%      | 26.3%          | 8.1%             |
| PAE203761     | BFR104777       | 21%      | 50.7%          | 84.7%            |
| PAE203761     | BFR11240        | 29%      | 91.4%          | 90.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203761     | EBC102608       | 37%      | 96.9%          | 84.7%            |
| PAE203761     | ECO102509       | 38%      | 95.4%          | 91.3%            |
| PAE203761     | HIN100223       | 41%      | 90.9%          | 88.1%            |
| PAE203761     | KPN303140       | 39%      | 90.0%          | 73.1%            |
| PAE203761     | PMU100045       | 38%      | 98.9%          | 94.5%            |
| PAE203761     | PRT105702       | 44%      | 90.0%          | 82.6%            |
| PAE203761     | PAE203761       | 100%     | 100%           | 100%             |
| PAE203761     | PPU101423       | 76%      | 97.8%          | 99.3%            |
| PAE203761     | PSY103797       | 75%      | 98.0%          | 93.3%            |
| PAE203761     | SPA100673       | 36%      | 96.7%          | 92.5%            |
| PAE203761     | STY102070       | 39%      | 90.9%          | 86.1%            |
| PAE203761     | STM101827       | 37%      | 98.5%          | 85.8%            |
| PAE203761     | VCH100850       | 40%      | 91.2%          | 79.4%            |
| PAE203761     | YPS003376       | 43%      | 90.9%          | 84.0%            |
| PAE203842     | BPT102181       | 37%      | 98.7%          | 100%             |
| PAE203842     | BCE107483       | 43%      | 97.3%          | 89.4%            |
| PAE203842     | BFU110988       | 56%      | 97.0%          | 86.3%            |
| PAE203842     | BMA108476       | 35%      | 97.7%          | 95.9%            |
| PAE203842     | BMA104510       | 45%      | 96.6%          | 91.0%            |
| PAE203842     | EBC100771       | 62%      | 46.0%          | 100%             |
| PAE203842     | KPN304389       | 56%      | 98.0%          | 99.0%            |
| PAE203842     | PAE203842       | 100%     | 100%           | 100%             |
| PAE203863     | BPT100646       | 25%      | 24.7%          | 64.5%            |
| PAE203863     | CTR100382       | 20%      | 41.4%          | 62.4%            |
| PAE203863     | EFM102626       | 27%      | 18.7%          | 81.5%            |
| PAE203863     | KPN204198       | 29%      | 45.9%          | 63.6%            |
| PAE203863     | MBV101369       | 25%      | 41.6%          | 85.0%            |
| PAE203863     | MTU203431       | 25%      | 41.6%          | 85.0%            |
| PAE203863     | PAE201149       | 49%      | 85.7%          | 81.0%            |
| PAE203863     | PAE203863       | 100%     | 100%           | 100%             |
| PAE203863     | PPU106908       | 29%      | 39.8%          | 35.9%            |
| PAE203863     | PSY101314       | 27%      | 61.5%          | 68.7%            |
| PAE203863     | PSY100814       | 29%      | 44.1%          | 70.7%            |
| PAE203863     | SAU301268       | 17%      | 36.9%          | 50.8%            |
| PAE203863     | SAU301276       | 26%      | 31.0%          | 48.7%            |
| PAE203863     | SPY200199       | 23%      | 31.3%          | 82.9%            |
| PAE203863     | YPS001602       | 26%      | 46.2%          | 68.0%            |
| PAE203873     | BMA100869       | 64%      | 96.2%          | 3.9%             |
| PAE203873     | CDP101678       | 33%      | 97.0%          | 98.2%            |
| PAE203873     | EBC100329       | 68%      | 37.6%          | 94.1%            |
| PAE203873     | ECO101196       | 60%      | 96.2%          | 97.2%            |
| PAE203873     | KPN303485       | 58%      | 96.4%          | 97.6%            |
| PAE203873     | MCA101703       | 59%      | 93.6%          | 5.0%             |
| PAE203873     | MAV102347       | 42%      | 94.9%          | 92.7%            |
| PAE203873     | MBV104795       | 42%      | 94.9%          | 92.7%            |
| PAE203873     | MLP100509       | 32%      | 96.6%          | 87.4%            |
| PAE203873     | MTU200266       | 42%      | 94.9%          | 92.7%            |
| PAE203873     | PRT102088       | 59%      | 94.9%          | 95.9%            |
| PAE203873     | PAE203873       | 100%     | 100%           | 100%             |
| PAE203873     | SPA102627       | 58%      | 95.5%          | 96.5%            |
| PAE203873     | STY102957       | 58%      | 96.2%          | 96.8%            |
| PAE203873     | STM100366       | 59%      | 95.5%          | 96.5%            |
| PAE203874     | ABA105006       | 27%      | 89.1%          | 86.2%            |
| PAE203874     | BAN113548       | 25%      | 91.0%          | 97.9%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE203874     | BAN101508       | 30%      | 91.0%          | 95.1%            |
| PAE203874     | BFR11590        | 20%      | 90.7%          | 93.8%            |
| PAE203874     | CDP101680       | 39%      | 79.8%          | 98.2%            |
| PAE203874     | MGE100300       | 20%      | 53.4%          | 51.3%            |
| PAE203874     | PAE203874       | 100%     | 100%           | 100%             |
| PAE203874     | SAU802388       | 26%      | 92.3%          | 95.9%            |
| PAE203874     | SEP200983       | 26%      | 94.4%          | 98.7%            |
| PAE203874     | SHA100354       | 30%      | 54.5%          | 93.1%            |
| PAE203874     | SPN401452       | 20%      | 92.8%          | 97.7%            |
| PAE203874     | YPS001594       | 26%      | 35.3%          | 89.1%            |
| PAE203877     | BMA104367       | 65%      | 79.4%          | 70.3%            |
| PAE203877     | PAE203877       | 100%     | 100%           | 100%             |
| PAE203928     | BPT102993       | 68%      | 97.7%          | 96.6%            |
| PAE203928     | PAE203928       | 100%     | 100%           | 100%             |
| PAE203928     | PPU102676       | 83%      | 100%           | 100%             |
| PAE203928     | PSY101364       | 77%      | 100%           | 100%             |
| PAE203928     | YPS001125       | 50%      | 97.3%          | 93.1%            |
| PAE203981     | ABA104991       | 40%      | 96.7%          | 93.6%            |
| PAE203981     | BPT100972       | 34%      | 95.5%          | 100%             |
| PAE203981     | BBU100236       | 22%      | 89.0%          | 88.9%            |
| PAE203981     | BCE102700       | 34%      | 90.8%          | 81.6%            |
| PAE203981     | BFU103489       | 35%      | 92.4%          | 89.6%            |
| PAE203981     | BMA107358       | 33%      | 69.9%          | 96%              |
| PAE203981     | CJU101021       | 27%      | 45.0%          | 49.9%            |
| PAE203981     | CPN200092       | 27%      | 64.2%          | 66.2%            |
| PAE203981     | CTR200810       | 24%      | 81.6%          | 81.9%            |
| PAE203981     | CDP101117       | 27%      | 71.6%          | 81.2%            |
| PAE203981     | EBC102934       | 39%      | 95.1%          | 96.1%            |
| PAE203981     | ECO100647       | 40%      | 94.1%          | 95.9%            |
| PAE203981     | HIN100288       | 36%      | 94.5%          | 93.5%            |
| PAE203981     | HPY100177       | 23%      | 49.5%          | 56.9%            |
| PAE203981     | KPN302711       | 40%      | 96.9%          | 97.3%            |
| PAE203981     | LPN102781       | 31%      | 82.8%          | 97.2%            |
| PAE203981     | MCA100961       | 39%      | 96.1%          | 96.4%            |
| PAE203981     | MAV106114       | 26%      | 85.9%          | 78.3%            |
| PAE203981     | MBV105708       | 28%      | 92.6%          | 86.3%            |
| PAE203981     | MLP100891       | 25%      | 96.1%          | 79.7%            |
| PAE203981     | MTU202018       | 25%      | 97.1%          | 58.7%            |
| PAE203981     | NGO101835       | 33%      | 95.9%          | 95.3%            |
| PAE203981     | NME200849       | 32%      | 95.9%          | 95.3%            |
| PAE203981     | PMU101032       | 36%      | 97.7%          | 96.5%            |
| PAE203981     | PRT102866       | 37%      | 96.5%          | 97.8%            |
| PAE203981     | PAE203981       | 100%     | 100%           | 100%             |
| PAE203981     | PPU107601       | 72%      | 98.2%          | 99.2%            |
| PAE203981     | PSY105070       | 70%      | 98.2%          | 99.2%            |
| PAE203981     | SPA102458       | 37%      | 73.0%          | 96.4%            |
| PAE203981     | STY101797       | 40%      | 93.5%          | 94.7%            |
| PAE203981     | TPA100413       | 24%      | 95.1%          | 93.2%            |
| PAE203981     | TPA100249       | 26%      | 89.2%          | 88.5%            |
| PAE203981     | VCH100942       | 39%      | 94.5%          | 96.4%            |
| PAE203981     | YPS001211       | 40%      | 93.3%          | 93.6%            |
| PAE204021     | ABA100605       | 70%      | 98.5%          | 99.1%            |
| PAE204021     | BCE105952       | 74%      | 95.7%          | 95.3%            |
| PAE204021     | BFU107936       | 73%      | 95.5%          | 94.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204021     | BMA105222       | 76%      | 92.0%          | 95.5%            |
| PAE204021     | CAC100786       | 50%      | 92.0%          | 94.0%            |
| PAE204021     | CDF101327       | 51%      | 94.2%          | 95.6%            |
| PAE204021     | EFA201363       | 49%      | 95.0%          | 96.9%            |
| PAE204021     | ECO102392       | 50%      | 95.0%          | 94.2%            |
| PAE204021     | KPN308452       | 69%      | 96.6%          | 96.8%            |
| PAE204021     | LMO101037       | 51%      | 95.0%          | 96.9%            |
| PAE204021     | PAE204021       | 100%     | 100%           | 100%             |
| PAE204021     | PPU108165       | 90%      | 100%           | 100%             |
| PAE204021     | PSY102222       | 88%      | 100%           | 100%             |
| PAE204021     | SPA100121       | 43%      | 76.3%          | 100%             |
| PAE204021     | STY101536       | 50%      | 95.0%          | 97.1%            |
| PAE204021     | SPY100064       | 60%      | 46.1%          | 91.4%            |
| PAE204024     | PAE204024       | 100%     | 100%           | 100%             |
| PAE204024     | PPU104680       | 28%      | 71.7%          | 96.8%            |
| PAE204024     | PSY103650       | 31%      | 79.1%          | 92.4%            |
| PAE204024     | VCH101574       | 31%      | 72.1%          | 79.2%            |
| PAE204034     | BBU100753       | 37%      | 69.5%          | 68.6%            |
| PAE204034     | CBO103609       | 33%      | 69.2%          | 70.7%            |
| PAE204034     | CBO101700       | 38%      | 70.5%          | 73.9%            |
| PAE204034     | CDF101604       | 32%      | 67.9%          | 69.5%            |
| PAE204034     | CDF103540       | 35%      | 69.2%          | 71.9%            |
| PAE204034     | CDF103376       | 33%      | 71.4%          | 76.0%            |
| PAE204034     | CDP101268       | 27%      | 93.8%          | 96.1%            |
| PAE204034     | EFA202336       | 30%      | 82.8%          | 83.6%            |
| PAE204034     | EFM201394       | 28%      | 70.8%          | 88.7%            |
| PAE204034     | EFM200486       | 31%      | 71.1%          | 72.6%            |
| PAE204034     | LMO100319       | 29%      | 98.1%          | 96.3%            |
| PAE204034     | LMO100853       | 31%      | 87.0%          | 87.7%            |
| PAE204034     | PAE203670       | 61%      | 98.7%          | 98.7%            |
| PAE204034     | PAE204034       | 100%     | 100%           | 100%             |
| PAE204034     | SAU802341       | 33%      | 70.1%          | 71.6%            |
| PAE204034     | SEP100950       | 31%      | 71.8%          | 90.2%            |
| PAE204034     | SMU100963       | 36%      | 72.7%          | 73.5%            |
| PAE204034     | SPN401237       | 31%      | 71.1%          | 82.1%            |
| PAE204034     | SPY201329       | 34%      | 71.1%          | 91.3%            |
| PAE204034     | TPA100871       | 33%      | 65.9%          | 75%              |
| PAE204034     | UUR100092       | 34%      | 68.2%          | 89.0%            |
| PAE204036     | PAE203668       | 53%      | 100%           | 99.7%            |
| PAE204036     | PAE204036       | 100%     | 100%           | 100%             |
| PAE204036     | TPA100869       | 21%      | 73.8%          | 83.8%            |
| PAE204064     | ABA104132       | 28%      | 87.9%          | 85.0%            |
| PAE204064     | BPT102085       | 36%      | 97.0%          | 95.8%            |
| PAE204064     | BCE101419       | 24%      | 91.8%          | 94.6%            |
| PAE204064     | BFU110652       | 27%      | 97.0%          | 95.9%            |
| PAE204064     | BMA102714       | 26%      | 94.0%          | 95.9%            |
| PAE204064     | EBC101097       | 45%      | 88.8%          | 90.5%            |
| PAE204064     | ECO101227       | 44%      | 97.8%          | 98.6%            |
| PAE204064     | KPN301099       | 45%      | 95.3%          | 97.2%            |
| PAE204064     | PMU100331       | 41%      | 96.6%          | 98.5%            |
| PAE204064     | PRT100743       | 42%      | 96.1%          | 98.6%            |
| PAE204064     | PAE204064       | 100%     | 100%           | 100%             |
| PAE204064     | PPU108105       | 68%      | 100%           | 100%             |
| PAE204064     | PSY102225       | 62%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204064     | SPA103429       | 43%      | 99.1%          | 99.5%            |
| PAE204064     | STY103017       | 43%      | 99.1%          | 99.5%            |
| PAE204064     | VCH103587       | 44%      | 96.6%          | 98.6%            |
| PAE204064     | YPS000864       | 42%      | 97.8%          | 98.6%            |
| PAE204067     | ABA104145       | 37%      | 94.6%          | 95.4%            |
| PAE204067     | BFU102407       | 27%      | 88.6%          | 90.2%            |
| PAE204067     | BMA105038       | 29%      | 94.0%          | 91.8%            |
| PAE204067     | CBO102403       | 35%      | 29.4%          | 30.1%            |
| PAE204067     | CBO101996       | 36%      | 29.4%          | 30.2%            |
| PAE204067     | EBC101162       | 29%      | 96.8%          | 97.7%            |
| PAE204067     | ECO101355       | 28%      | 95.6%          | 96.7%            |
| PAE204067     | KPN300181       | 27%      | 20.9%          | 46.8%            |
| PAE204067     | KPN304960       | 29%      | 98.1%          | 98.7%            |
| PAE204067     | PAE204067       | 100%     | 100%           | 100%             |
| PAE204078     | BMA100911       | 21%      | 35.7%          | 42.4%            |
| PAE204078     | EBC100065       | 26%      | 35.7%          | 89.3%            |
| PAE204078     | ECO100918       | 31%      | 19.2%          | 37.4%            |
| PAE204078     | MTU407268       | 25%      | 50.4%          | 36.6%            |
| PAE204078     | PRT101730       | 23%      | 47.2%          | 92.0%            |
| PAE204078     | PAE204078       | 100%     | 100%           | 100%             |
| PAE204078     | PPU110921       | 23%      | 33.1%          | 36.5%            |
| PAE204078     | YPS002776       | 24%      | 94.0%          | 94.6%            |
| PAE204102     | PAE204102       | 100%     | 100%           | 100%             |
| PAE204102     | PPU111397       | 53%      | 97.2%          | 100%             |
| PAE204103     | HIN101567       | 46%      | 94.9%          | 91.5%            |
| PAE204103     | NGO100775       | 52%      | 97.1%          | 94.4%            |
| PAE204103     | NME200216       | 51%      | 97.1%          | 97.1%            |
| PAE204103     | PMU100211       | 46%      | 96.4%          | 95.4%            |
| PAE204103     | PAE204103       | 100%     | 100%           | 100%             |
| PAE204103     | PPU103701       | 75%      | 94.2%          | 87.2%            |
| PAE204119     | BAN101423       | 35%      | 65.3%          | 60.4%            |
| PAE204119     | BAN104355       | 36%      | 78.4%          | 70.9%            |
| PAE204119     | BPT105862       | 40%      | 86.9%          | 82.2%            |
| PAE204119     | BCE110171       | 39%      | 77.6%          | 74.3%            |
| PAE204119     | BFU103157       | 61%      | 95.8%          | 98.8%            |
| PAE204119     | BMA102951       | 59%      | 97.3%          | 99.6%            |
| PAE204119     | CJU100021       | 32%      | 76.4%          | 72.3%            |
| PAE204119     | CDF101613       | 34%      | 76.4%          | 70.3%            |
| PAE204119     | CDF103166       | 38%      | 75.7%          | 69.7%            |
| PAE204119     | CDP100223       | 35%      | 81.1%          | 76.3%            |
| PAE204119     | EBC101919       | 67%      | 79.5%          | 2.6%             |
| PAE204119     | KPN303993       | 70%      | 95.0%          | 1.3%             |
| PAE204119     | LMO102616       | 32%      | 81.5%          | 77.0%            |
| PAE204119     | MAV100179       | 38%      | 86.5%          | 81.7%            |
| PAE204119     | MBV101328       | 38%      | 86.5%          | 81.5%            |
| PAE204119     | MLP101033       | 37%      | 86.5%          | 90.5%            |
| PAE204119     | MTU202955       | 38%      | 86.5%          | 90.4%            |
| PAE204119     | PMU101529       | 66%      | 96.1%          | 97.6%            |
| PAE204119     | PAE204119       | 100%     | 100%           | 100%             |
| PAE204119     | SPA104517       | 75%      | 78.8%          | 95.8%            |
| PAE204119     | STY103635       | 75%      | 82.6%          | 1.6%             |
| PAE204119     | STM102228       | 75%      | 82.6%          | 1.6%             |
| PAE204119     | SAU800968       | 35%      | 91.1%          | 81%              |
| PAE204119     | SEP200184       | 36%      | 91.1%          | 80.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204119     | SHA101674       | 35%      | 91.9%          | 80.7%            |
| PAE204119     | YPS003019       | 41%      | 68.3%          | 63.2%            |
| PAE204121     | BCE102997       | 61%      | 91.9%          | 99.6%            |
| PAE204121     | BFU103152       | 70%      | 92.2%          | 98.6%            |
| PAE204121     | BMA106487       | 61%      | 91.9%          | 99.6%            |
| PAE204121     | CAC102376       | 27%      | 50.8%          | 30.8%            |
| PAE204121     | EBC101921       | 64%      | 92.5%          | 100%             |
| PAE204121     | KPN303997       | 65%      | 92.8%          | 99.6%            |
| PAE204121     | PMU101531       | 59%      | 91.9%          | 100%             |
| PAE204121     | PAE204121       | 100%     | 100%           | 100%             |
| PAE204121     | SPA100925       | 59%      | 90.2%          | 100%             |
| PAE204121     | STY103641       | 64%      | 92.5%          | 100%             |
| PAE204121     | STM102231       | 65%      | 92.5%          | 100%             |
| PAE204121     | YPS001244       | 62%      | 91.9%          | 98.6%            |
| PAE204122     | BCE100122       | 51%      | 93.8%          | 94.6%            |
| PAE204122     | BFU107803       | 41%      | 61.5%          | 92.0%            |
| PAE204122     | BMA100595       | 52%      | 93.8%          | 94.6%            |
| PAE204122     | EBC101922       | 71%      | 93.8%          | 96.8%            |
| PAE204122     | KPN303998       | 66%      | 93.8%          | 96.8%            |
| PAE204122     | PMU101532       | 52%      | 93.8%          | 96.1%            |
| PAE204122     | PAE204122       | 100%     | 100%           | 100%             |
| PAE204122     | SPA100926       | 65%      | 92.3%          | 96.7%            |
| PAE204122     | STY103643       | 67%      | 93.8%          | 96.8%            |
| PAE204122     | STM102232       | 68%      | 93.8%          | 96.8%            |
| PAE204122     | VCH102632       | 25%      | 86.9%          | 93.1%            |
| PAE204122     | YPS001247       | 58%      | 93.8%          | 92.4%            |
| PAE204129     | ABA105849       | 38%      | 99.2%          | 98.5%            |
| PAE204129     | BPT100299       | 40%      | 98.1%          | 90.8%            |
| PAE204129     | BCE115030       | 59%      | 94.5%          | 100%             |
| PAE204129     | BFU109426       | 60%      | 98.1%          | 98.1%            |
| PAE204129     | BMA109456       | 54%      | 98.7%          | 98.0%            |
| PAE204129     | EBC102662       | 45%      | 99.6%          | 99.6%            |
| PAE204129     | EFM101977       | 34%      | 27.6%          | 89.7%            |
| PAE204129     | ECO101410       | 45%      | 99.2%          | 99.4%            |
| PAE204129     | KPN304036       | 45%      | 98.7%          | 98.7%            |
| PAE204129     | LMO100435       | 28%      | 91.3%          | 89.6%            |
| PAE204129     | PRT101784       | 47%      | 98.3%          | 98.1%            |
| PAE204129     | PAE204129       | 100%     | 100%           | 100%             |
| PAE204129     | PPU110179       | 75%      | 99.4%          | 99.8%            |
| PAE204129     | PSY104974       | 72%      | 99.4%          | 99.8%            |
| PAE204129     | SPA100033       | 49%      | 74.3%          | 99.7%            |
| PAE204129     | STY103755       | 46%      | 99.6%          | 98.5%            |
| PAE204129     | SAU800108       | 27%      | 87.9%          | 93.4%            |
| PAE204129     | VCH103591       | 45%      | 99.6%          | 98.9%            |
| PAE204129     | YPS002618       | 48%      | 99.6%          | 98.9%            |
| PAE204130     | BAN103246       | 20%      | 45.5%          | 68.5%            |
| PAE204130     | ECO202247       | 24%      | 31.6%          | 26.2%            |
| PAE204130     | PAE201553       | 87%      | 100%           | 100%             |
| PAE204130     | PAE204130       | 100%     | 100%           | 100%             |
| PAE204130     | PPU107231       | 83%      | 99.8%          | 98.8%            |
| PAE204130     | PSY102496       | 80%      | 100%           | 99.0%            |
| PAE204155     | ABA104707       | 30%      | 88.7%          | 91.4%            |
| PAE204155     | BAN106461       | 45%      | 95.8%          | 95.1%            |
| PAE204155     | BAN106939       | 50%      | 97.4%          | 94.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204155     | BCE111947       | 45%      | 96.2%          | 90.8%            |
| PAE204155     | BFU104113       | 46%      | 95.1%          | 87.8%            |
| PAE204155     | BMA104136       | 47%      | 91.7%          | 82.1%            |
| PAE204155     | CJU101278       | 33%      | 86.8%          | 91.2%            |
| PAE204155     | CAC102551       | 45%      | 94.3%          | 95.1%            |
| PAE204155     | CBO101131       | 49%      | 87.9%          | 89.7%            |
| PAE204155     | CBO101508       | 47%      | 89.4%          | 86.2%            |
| PAE204155     | CDF102682       | 45%      | 89.4%          | 91.5%            |
| PAE204155     | CDP100081       | 45%      | 92.1%          | 90.4%            |
| PAE204155     | EBC100144       | 60%      | 86.8%          | 98.7%            |
| PAE204155     | EFA202025       | 38%      | 94.7%          | 94.7%            |
| PAE204155     | EFM201693       | 36%      | 83.4%          | 87.6%            |
| PAE204155     | ECO100578       | 61%      | 97.4%          | 95.6%            |
| PAE204155     | HPY100874       | 28%      | 82.6%          | 86.7%            |
| PAE204155     | KPN304817       | 60%      | 96.2%          | 97.0%            |
| PAE204155     | LMO102143       | 49%      | 95.1%          | 92.3%            |
| PAE204155     | MCA100484       | 33%      | 87.2%          | 76.2%            |
| PAE204155     | NGO100089       | 39%      | 86.8%          | 90.9%            |
| PAE204155     | NME200417       | 40%      | 86.8%          | 90.9%            |
| PAE204155     | PMU100128       | 45%      | 94.7%          | 97.7%            |
| PAE204155     | PRT102499       | 36%      | 86.0%          | 90.4%            |
| PAE204155     | PAE204155       | 100%     | 100%           | 100%             |
| PAE204155     | PSY102150       | 47%      | 94.7%          | 95.4%            |
| PAE204155     | SPA102129       | 60%      | 96.2%          | 82.8%            |
| PAE204155     | STY101358       | 60%      | 96.2%          | 97.0%            |
| PAE204155     | STM103175       | 41%      | 94.7%          | 97.4%            |
| PAE204155     | SAU800647       | 49%      | 95.5%          | 95.8%            |
| PAE204155     | SEP200677       | 48%      | 95.1%          | 95.5%            |
| PAE204155     | SHA101591       | 48%      | 95.5%          | 95.8%            |
| PAE204155     | SMU100116       | 36%      | 84.2%          | 82.8%            |
| PAE204155     | SPN400938       | 45%      | 95.8%          | 96.6%            |
| PAE204155     | SPY200282       | 49%      | 94.7%          | 96.9%            |
| PAE204155     | UUR100440       | 28%      | 88.7%          | 72.4%            |
| PAE204155     | UUR100067       | 38%      | 84.9%          | 77.7%            |
| PAE204155     | VCH100766       | 61%      | 95.8%          | 91.4%            |
| PAE204155     | YPS002946       | 54%      | 95.8%          | 90.1%            |
| PAE204223     | ABA105069       | 32%      | 47.4%          | 76.7%            |
| PAE204223     | BAN105613       | 30%      | 49.0%          | 62.7%            |
| PAE204223     | BAN109714       | 28%      | 23.3%          | 65.3%            |
| PAE204223     | BAN105113       | 36%      | 56.5%          | 98.4%            |
| PAE204223     | BAN109456       | 31%      | 73.0%          | 60.3%            |
| PAE204223     | BCE110197       | 68%      | 50.3%          | 100%             |
| PAE204223     | CDP101614       | 41%      | 54.2%          | 45.1%            |
| PAE204223     | PAE204223       | 100%     | 100%           | 100%             |
| PAE204235     | ABA100130       | 80%      | 93.0%          | 96%              |
| PAE204235     | BAN103288       | 47%      | 84.5%          | 97.5%            |
| PAE204235     | BAN102478       | 47%      | 84.5%          | 97.5%            |
| PAE204235     | BFR100896       | 52%      | 90.7%          | 72.7%            |
| PAE204235     | BPT100897       | 70%      | 92.2%          | 90.8%            |
| PAE204235     | BBU100502       | 43%      | 93.0%          | 97.6%            |
| PAE204235     | BCE109774       | 66%      | 100%           | 98.5%            |
| PAE204235     | BFU101597       | 68%      | 100%           | 100%             |
| PAE204235     | BMA104335       | 71%      | 92.2%          | 90.8%            |
| PAE204235     | CJU101502       | 43%      | 89.9%          | 99.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204235     | CPN200120       | 42%      | 89.9%          | 98.6%            |
| PAE204235     | CTR200782       | 39%      | 89.9%          | 98.6%            |
| PAE204235     | CAC100809       | 41%      | 84.5%          | 95.6%            |
| PAE204235     | CBO102497       | 42%      | 84.5%          | 96.5%            |
| PAE204235     | CDF102169       | 45%      | 84.5%          | 96.5%            |
| PAE204235     | CDP100024       | 47%      | 96.1%          | 79.6%            |
| PAE204235     | EBC103646       | 75%      | 99.2%          | 98.4%            |
| PAE204235     | EFA201974       | 43%      | 86.0%          | 98.4%            |
| PAE204235     | EFM201685       | 44%      | 86.0%          | 99.2%            |
| PAE204235     | ECO103217       | 75%      | 99.2%          | 98.4%            |
| PAE204235     | HIN100784       | 75%      | 98.4%          | 96.9%            |
| PAE204235     | HPY101274       | 43%      | 89.9%          | 100%             |
| PAE204235     | KPN300813       | 78%      | 91.5%          | 92.2%            |
| PAE204235     | LMO100340       | 40%      | 84.5%          | 97.8%            |
| PAE204235     | MCA100427       | 84%      | 92.2%          | 100%             |
| PAE204235     | MAV101006       | 51%      | 85.3%          | 75.3%            |
| PAE204235     | MBV100492       | 50%      | 85.3%          | 61.1%            |
| PAE204235     | MLP101193       | 50%      | 85.3%          | 64.7%            |
| PAE204235     | MTU203409       | 50%      | 85.3%          | 61.1%            |
| PAE204235     | MGE100181       | 33%      | 82.2%          | 91.1%            |
| PAE204235     | MPN100639       | 35%      | 82.2%          | 90.3%            |
| PAE204235     | NGO100883       | 68%      | 92.2%          | 97.5%            |
| PAE204235     | NME200096       | 68%      | 92.2%          | 97.5%            |
| PAE204235     | PMU101389       | 78%      | 92.2%          | 92.2%            |
| PAE204235     | PRT101773       | 74%      | 100%           | 100%             |
| PAE204235     | PAE204235       | 100%     | 100%           | 100%             |
| PAE204235     | PPU104535       | 94%      | 100%           | 100%             |
| PAE204235     | PSY105785       | 93%      | 100%           | 100%             |
| PAE204235     | SPA104312       | 74%      | 99.2%          | 98.4%            |
| PAE204235     | STY101829       | 75%      | 99.2%          | 98.4%            |
| PAE204235     | SAU802223       | 45%      | 84.5%          | 97.5%            |
| PAE204235     | SEP202058       | 45%      | 84.5%          | 97.5%            |
| PAE204235     | SHA100503       | 45%      | 85.3%          | 97.6%            |
| PAE204235     | SMU100584       | 43%      | 84.5%          | 97.7%            |
| PAE204235     | SPN400216       | 42%      | 84.5%          | 97.7%            |
| PAE204235     | SPY101855       | 42%      | 84.5%          | 97.7%            |
| PAE204235     | TPA100211       | 52%      | 90.7%          | 71.3%            |
| PAE204235     | UUR100260       | 41%      | 81.4%          | 93.3%            |
| PAE204235     | VCH102533       | 76%      | 99.2%          | 98.4%            |
| PAE204235     | YPS002494       | 74%      | 100%           | 100%             |
| PAE204241     | ABA100105       | 64%      | 93.7%          | 93.1%            |
| PAE204241     | BAN100422       | 41%      | 49.3%          | 95.7%            |
| PAE204241     | BAN100831       | 32%      | 89.4%          | 92.7%            |
| PAE204241     | BAN109756       | 41%      | 94.6%          | 97.7%            |
| PAE204241     | BAN106840       | 40%      | 94.1%          | 97.7%            |
| PAE204241     | BFR12413        | 40%      | 95.2%          | 95.1%            |
| PAE204241     | BPT100873       | 64%      | 99.5%          | 99.8%            |
| PAE204241     | BBU100497       | 34%      | 92.8%          | 94.9%            |
| PAE204241     | BCE109015       | 63%      | 93.2%          | 98.4%            |
| PAE204241     | BFU100380       | 60%      | 99.5%          | 98.4%            |
| PAE204241     | BMA107419       | 64%      | 93.2%          | 98.3%            |
| PAE204241     | CJU101592       | 42%      | 91.9%          | 96.0%            |
| PAE204241     | CPN200116       | 37%      | 95.2%          | 96.5%            |
| PAE204241     | CTR200786       | 38%      | 95.2%          | 97.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204241     | CAC102097       | 36%      | 95.9%          | 99.8%            |
| PAE204241     | CBO103220       | 38%      | 95.7%          | 99.8%            |
| PAE204241     | CDF103985       | 39%      | 92.5%          | 96.2%            |
| PAE204241     | CDP100001       | 41%      | 93.7%          | 97.7%            |
| PAE204241     | EBC103637       | 65%      | 98.9%          | 99.8%            |
| PAE204241     | EFA201979       | 38%      | 94.1%          | 97.7%            |
| PAE204241     | EFM200235       | 37%      | 92.8%          | 96.5%            |
| PAE204241     | ECO103223       | 65%      | 98.9%          | 99.8%            |
| PAE204241     | HIN100778       | 60%      | 98.9%          | 99.8%            |
| PAE204241     | HPY101282       | 42%      | 93.2%          | 97.4%            |
| PAE204241     | KPN300616       | 59%      | 79.4%          | 100%             |
| PAE204241     | LPN101432       | 56%      | 82.4%          | 99.2%            |
| PAE204241     | LMO101544       | 40%      | 93.9%          | 97.7%            |
| PAE204241     | MCA100141       | 61%      | 92.3%          | 92.7%            |
| PAE204241     | MAV102070       | 40%      | 93.4%          | 94.7%            |
| PAE204241     | MBV101627       | 40%      | 93.4%          | 97.3%            |
| PAE204241     | MLP101115       | 40%      | 93.4%          | 97.3%            |
| PAE204241     | MTU200729       | 40%      | 93.4%          | 97.3%            |
| PAE204241     | MGE100173       | 35%      | 90.7%          | 86.3%            |
| PAE204241     | MPN100647       | 35%      | 90.7%          | 86.0%            |
| PAE204241     | NGO100896       | 52%      | 98.6%          | 99.3%            |
| PAE204241     | NME200103       | 53%      | 98.6%          | 99.3%            |
| PAE204241     | PMU101395       | 62%      | 98.9%          | 99.8%            |
| PAE204241     | PRT100105       | 69%      | 48.0%          | 99.1%            |
| PAE204241     | PAE204241       | 100%     | 100%           | 100%             |
| PAE204241     | PPU112340       | 92%      | 100%           | 100%             |
| PAE204241     | PSY100299       | 94%      | 100%           | 100%             |
| PAE204241     | SPA104324       | 64%      | 95.7%          | 100%             |
| PAE204241     | STY101824       | 65%      | 98.9%          | 99.8%            |
| PAE204241     | SAU802230       | 38%      | 92.5%          | 96.0%            |
| PAE204241     | SEP200245       | 39%      | 92.5%          | 96.0%            |
| PAE204241     | SHA100178       | 36%      | 81.0%          | 98.4%            |
| PAE204241     | SMU100598       | 36%      | 92.3%          | 95.2%            |
| PAE204241     | SPN400209       | 36%      | 94.1%          | 97.0%            |
| PAE204241     | SPY200057       | 36%      | 93.0%          | 95.9%            |
| PAE204241     | TPA100206       | 37%      | 96.2%          | 94.9%            |
| PAE204241     | UUR100252       | 32%      | 89.6%          | 87.5%            |
| PAE204241     | VCH102539       | 65%      | 96.6%          | 97.3%            |
| PAE204241     | YPS002488       | 65%      | 98.6%          | 99.5%            |
| PAE204242     | ABA100106       | 62%      | 100%           | 98.6%            |
| PAE204242     | BAN100388       | 37%      | 99.3%          | 98.6%            |
| PAE204242     | BAN101282       | 46%      | 99.3%          | 98.6%            |
| PAE204242     | BFR100671       | 40%      | 97.2%          | 96.6%            |
| PAE204242     | BPT100871       | 59%      | 97.2%          | 95.9%            |
| PAE204242     | BBU100496       | 36%      | 93.8%          | 94.5%            |
| PAE204242     | BCE108533       | 55%      | 100%           | 100%             |
| PAE204242     | BFU100391       | 56%      | 100%           | 100%             |
| PAE204242     | BMA101533       | 55%      | 100%           | 100%             |
| PAE204242     | CJU101593       | 39%      | 74.3%          | 82.3%            |
| PAE204242     | CPN200115       | 44%      | 80.6%          | 82.6%            |
| PAE204242     | CTR200787       | 40%      | 94.4%          | 97.9%            |
| PAE204242     | CAC101804       | 43%      | 99.3%          | 98.6%            |
| PAE204242     | CBO103582       | 45%      | 99.3%          | 98.6%            |
| PAE204242     | CDF100735       | 44%      | 99.3%          | 96.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204242     | CDP101730       | 39%      | 97.2%          | 93.9%            |
| PAE204242     | EBC103640       | 64%      | 100%           | 100%             |
| PAE204242     | EFA201980       | 45%      | 99.3%          | 98.6%            |
| PAE204242     | EFM201975       | 44%      | 99.3%          | 98.6%            |
| PAE204242     | ECO103224       | 64%      | 100%           | 100%             |
| PAE204242     | HIN100777       | 63%      | 100%           | 100%             |
| PAE204242     | HPY101283       | 59%      | 45.8%          | 48.9%            |
| PAE204242     | KPN300615       | 63%      | 96.5%          | 100%             |
| PAE204242     | LPN100259       | 53%      | 100%           | 100%             |
| PAE204242     | LMO102003       | 43%      | 99.3%          | 98.6%            |
| PAE204242     | MCA100140       | 62%      | 100%           | 98.6%            |
| PAE204242     | MAV102081       | 34%      | 97.2%          | 95.2%            |
| PAE204242     | MBV101609       | 36%      | 97.2%          | 95.2%            |
| PAE204242     | MLP101118       | 36%      | 97.2%          | 95.2%            |
| PAE204242     | MTU200720       | 36%      | 97.2%          | 95.2%            |
| PAE204242     | MGE100172       | 40%      | 71.5%          | 70.7%            |
| PAE204242     | MPN100648       | 38%      | 97.2%          | 95.4%            |
| PAE204242     | NGO100899       | 58%      | 99.3%          | 99.3%            |
| PAE204242     | NME200104       | 58%      | 99.3%          | 99.3%            |
| PAE204242     | PMU101396       | 63%      | 100%           | 100%             |
| PAE204242     | PRT103332       | 63%      | 100%           | 100%             |
| PAE204242     | PAE204242       | 100%     | 100%           | 100%             |
| PAE204242     | PPU104529       | 88%      | 100%           | 100%             |
| PAE204242     | PSY107337       | 86%      | 100%           | 100%             |
| PAE204242     | SPA104326       | 65%      | 100%           | 100%             |
| PAE204242     | STY101823       | 65%      | 100%           | 100%             |
| PAE204242     | SAU802231       | 42%      | 99.3%          | 98.6%            |
| PAE204242     | SEP200247       | 42%      | 99.3%          | 98.6%            |
| PAE204242     | SHA100093       | 51%      | 59.7%          | 100%             |
| PAE204242     | SMU100599       | 42%      | 99.3%          | 98.6%            |
| PAE204242     | SPN400208       | 43%      | 99.3%          | 98.6%            |
| PAE204242     | SPY200056       | 44%      | 99.3%          | 98.6%            |
| PAE204242     | TPA100205       | 36%      | 92.4%          | 88.9%            |
| PAE204242     | UUR100251       | 37%      | 95.1%          | 91.9%            |
| PAE204242     | VCH102540       | 64%      | 100%           | 100%             |
| PAE204242     | YPS002485       | 68%      | 100%           | 100%             |
| PAE204243     | ABA100108       | 70%      | 98.3%          | 98.3%            |
| PAE204243     | BAN104365       | 40%      | 93.1%          | 90%              |
| PAE204243     | BFR100963       | 39%      | 96.6%          | 96.6%            |
| PAE204243     | BPT104115       | 52%      | 91.4%          | 86.9%            |
| PAE204243     | BFU104042       | 62%      | 93.1%          | 85.7%            |
| PAE204243     | BMA107387       | 62%      | 96.6%          | 88.9%            |
| PAE204243     | CAC103086       | 54%      | 98.3%          | 100%             |
| PAE204243     | CBO100965       | 54%      | 98.3%          | 96.6%            |
| PAE204243     | CDF102795       | 42%      | 96.6%          | 91.8%            |
| PAE204243     | CDP102962       | 40%      | 93.1%          | 88.5%            |
| PAE204243     | EBC103644       | 56%      | 94.8%          | 93.2%            |
| PAE204243     | EFA205229       | 42%      | 98.3%          | 96.6%            |
| PAE204243     | EFM200795       | 43%      | 98.3%          | 96.6%            |
| PAE204243     | ECO103225       | 56%      | 94.8%          | 93.2%            |
| PAE204243     | HIN100776       | 58%      | 94.8%          | 93.2%            |
| PAE204243     | KPN300492       | 53%      | 93.1%          | 94.7%            |
| PAE204243     | LPN102267       | 50%      | 93.1%          | 88.5%            |
| PAE204243     | LMO100063       | 40%      | 98.3%          | 96.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204243     | MCA102911       | 64%      | 98.3%          | 96.6%            |
| PAE204243     | MAV102080       | 37%      | 96.6%          | 78.9%            |
| PAE204243     | MBV101607       | 36%      | 98.3%          | 87.7%            |
| PAE204243     | MLP101119       | 38%      | 98.3%          | 80.3%            |
| PAE204243     | MTU200719       | 36%      | 98.3%          | 87.7%            |
| PAE204243     | NGO102470       | 68%      | 93.1%          | 88.5%            |
| PAE204243     | NME200105       | 70%      | 93.1%          | 88.5%            |
| PAE204243     | PMU101397       | 56%      | 94.8%          | 93.2%            |
| PAE204243     | PRT100559       | 60%      | 94.8%          | 90.2%            |
| PAE204243     | PAE204243       | 100%     | 100%           | 100%             |
| PAE204243     | PPU108173       | 86%      | 100%           | 100%             |
| PAE204243     | PSY107474       | 81%      | 100%           | 100%             |
| PAE204243     | SPA106249       | 54%      | 94.8%          | 93.2%            |
| PAE204243     | STY105107       | 54%      | 94.8%          | 93.2%            |
| PAE204243     | SAU802232       | 42%      | 98.3%          | 96.6%            |
| PAE204243     | SEP202555       | 42%      | 98.3%          | 95%              |
| PAE204243     | SHA100092       | 43%      | 98.3%          | 96.6%            |
| PAE204243     | SMU102834       | 40%      | 98.3%          | 95%              |
| PAE204243     | SPN400207       | 40%      | 98.3%          | 95%              |
| PAE204243     | SPY200055       | 38%      | 98.3%          | 95%              |
| PAE204243     | VCH102541       | 66%      | 98.3%          | 98.3%            |
| PAE204243     | YPS004281       | 60%      | 94.8%          | 93.2%            |
| PAE204244     | ABA100109       | 80%      | 99.4%          | 98.8%            |
| PAE204244     | BAN111381       | 54%      | 92.2%          | 92.7%            |
| PAE204244     | BAN112822       | 56%      | 92.2%          | 92.2%            |
| PAE204244     | BFR10783        | 48%      | 91.6%          | 88.4%            |
| PAE204244     | BPT100869       | 59%      | 97.6%          | 94.7%            |
| PAE204244     | BBU100494       | 47%      | 92.2%          | 92.7%            |
| PAE204244     | BCE102110       | 63%      | 75.3%          | 91.9%            |
| PAE204244     | BFU100390       | 62%      | 96.4%          | 93.0%            |
| PAE204244     | BMA101481       | 63%      | 96.4%          | 94.7%            |
| PAE204244     | CJU101594       | 48%      | 84.9%          | 95.9%            |
| PAE204244     | CPN200114       | 40%      | 98.8%          | 98.8%            |
| PAE204244     | CTR200788       | 42%      | 95.2%          | 95.8%            |
| PAE204244     | CAC100146       | 54%      | 92.2%          | 92.7%            |
| PAE204244     | CBO100463       | 52%      | 92.2%          | 92.7%            |
| PAE204244     | CDF100733       | 54%      | 92.2%          | 90.5%            |
| PAE204244     | CDP101728       | 55%      | 98.2%          | 78.4%            |
| PAE204244     | EBC103648       | 77%      | 100%           | 99.4%            |
| PAE204244     | EFA201981       | 52%      | 92.2%          | 92.2%            |
| PAE204244     | EFM200438       | 50%      | 92.2%          | 92.2%            |
| PAE204244     | ECO103226       | 77%      | 100%           | 98.8%            |
| PAE204244     | HIN100775       | 73%      | 98.8%          | 98.8%            |
| PAE204244     | HPY101284       | 49%      | 88.0%          | 95.4%            |
| PAE204244     | KPN300491       | 76%      | 100%           | 98.8%            |
| PAE204244     | LPN100995       | 63%      | 100%           | 98.8%            |
| PAE204244     | LMO101368       | 52%      | 92.2%          | 91.6%            |
| PAE204244     | MCA100160       | 80%      | 100%           | 99.4%            |
| PAE204244     | MAV102079       | 55%      | 92.8%          | 68.4%            |
| PAE204244     | MBV101605       | 55%      | 92.8%          | 70%              |
| PAE204244     | MLP101120       | 56%      | 89.2%          | 68.2%            |
| PAE204244     | MTU200718       | 55%      | 92.8%          | 70%              |
| PAE204244     | MGE100171       | 41%      | 91.6%          | 72.0%            |
| PAE204244     | MPN100649       | 38%      | 98.2%          | 77.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204244     | NGO100919       | 56%      | 100%           | 97.1%            |
| PAE204244     | NME200106       | 56%      | 100%           | 97.1%            |
| PAE204244     | PMU101398       | 75%      | 100%           | 99.4%            |
| PAE204244     | PRT100558       | 74%      | 100%           | 99.4%            |
| PAE204244     | PAE204244       | 100%     | 100%           | 100%             |
| PAE204244     | PPU104527       | 93%      | 99.4%          | 99.4%            |
| PAE204244     | PSY105833       | 91%      | 100%           | 100%             |
| PAE204244     | SPA104328       | 77%      | 100%           | 98.8%            |
| PAE204244     | STY101822       | 77%      | 100%           | 98.8%            |
| PAE204244     | SAU802233       | 52%      | 99.4%          | 98.8%            |
| PAE204244     | SEP200249       | 52%      | 99.4%          | 98.8%            |
| PAE204244     | SHA100091       | 52%      | 99.4%          | 98.8%            |
| PAE204244     | SMU100600       | 53%      | 91.6%          | 92.7%            |
| PAE204244     | SPN400206       | 52%      | 91.6%          | 92.7%            |
| PAE204244     | SPY200054       | 54%      | 91.6%          | 92.7%            |
| PAE204244     | TPA100204       | 47%      | 97.0%          | 93.6%            |
| PAE204244     | UUR100250       | 46%      | 91.6%          | 75.4%            |
| PAE204244     | VCH102542       | 68%      | 99.4%          | 98.8%            |
| PAE204244     | YPS002482       | 79%      | 92.2%          | 91.6%            |
| PAE204245     | ABA100110       | 75%      | 100%           | 100%             |
| PAE204245     | BAN106991       | 57%      | 97.4%          | 95%              |
| PAE204245     | BFR100058       | 48%      | 77.6%          | 100%             |
| PAE204245     | BPT100868       | 57%      | 97.4%          | 98.3%            |
| PAE204245     | BBU100493       | 36%      | 94.8%          | 92.4%            |
| PAE204245     | BCE113907       | 57%      | 97.4%          | 98.3%            |
| PAE204245     | BFU100389       | 58%      | 97.4%          | 98.3%            |
| PAE204245     | BMA109275       | 57%      | 97.4%          | 98.3%            |
| PAE204245     | CJU101595       | 33%      | 95.7%          | 91.5%            |
| PAE204245     | CPN200113       | 43%      | 97.4%          | 94.3%            |
| PAE204245     | CTR200789       | 47%      | 96.6%          | 91.1%            |
| PAE204245     | CAC102283       | 53%      | 97.4%          | 97.4%            |
| PAE204245     | CBO100811       | 47%      | 97.4%          | 92.6%            |
| PAE204245     | CDF103929       | 45%      | 97.4%          | 95.1%            |
| PAE204245     | CDP101725       | 51%      | 97.4%          | 84.4%            |
| PAE204245     | EBC103652       | 59%      | 97.4%          | 98.3%            |
| PAE204245     | EFA201982       | 51%      | 97.4%          | 94.9%            |
| PAE204245     | EFM200146       | 52%      | 97.4%          | 94.9%            |
| PAE204245     | ECO103227       | 59%      | 97.4%          | 98.3%            |
| PAE204245     | HIN100774       | 62%      | 97.4%          | 98.3%            |
| PAE204245     | HPY101285       | 37%      | 94.8%          | 91.6%            |
| PAE204245     | KPN300490       | 59%      | 97.4%          | 98.3%            |
| PAE204245     | LPN101342       | 55%      | 97.4%          | 98.3%            |
| PAE204245     | LMO102391       | 54%      | 97.4%          | 95.0%            |
| PAE204245     | MCA100159       | 69%      | 97.4%          | 97.4%            |
| PAE204245     | MAV102077       | 44%      | 99.1%          | 85.9%            |
| PAE204245     | MBV101604       | 47%      | 99.1%          | 95.1%            |
| PAE204245     | MLP101121       | 43%      | 99.1%          | 95.9%            |
| PAE204245     | MTU200717       | 47%      | 99.1%          | 95.1%            |
| PAE204245     | MGE100170       | 35%      | 97.4%          | 95.7%            |
| PAE204245     | MPN100650       | 42%      | 98.3%          | 100%             |
| PAE204245     | NGO100921       | 63%      | 97.4%          | 98.3%            |
| PAE204245     | NME200107       | 63%      | 97.4%          | 98.3%            |
| PAE204245     | PMU101399       | 61%      | 97.4%          | 98.3%            |
| PAE204245     | PRT100557       | 57%      | 97.4%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204245     | PAE204245       | 100%     | 100%           | 100%             |
| PAE204245     | PPU104526       | 88%      | 100%           | 100%             |
| PAE204245     | PSY105780       | 89%      | 84.5%          | 100%             |
| PAE204245     | SPA104494       | 51%      | 97.4%          | 98.3%            |
| PAE204245     | STY101821       | 59%      | 97.4%          | 98.3%            |
| PAE204245     | SAU802234       | 48%      | 97.4%          | 95.0%            |
| PAE204245     | SEP200251       | 50%      | 97.4%          | 95%              |
| PAE204245     | SHA100055       | 49%      | 97.4%          | 95%              |
| PAE204245     | SMU100601       | 52%      | 97.4%          | 94.9%            |
| PAE204245     | SPN400205       | 53%      | 97.4%          | 94.9%            |
| PAE204245     | SPY200053       | 54%      | 97.4%          | 94.9%            |
| PAE204245     | TPA100203       | 37%      | 94.0%          | 92.5%            |
| PAE204245     | UUR100249       | 42%      | 97.4%          | 94.2%            |
| PAE204245     | VCH102543       | 63%      | 97.4%          | 98.3%            |
| PAE204245     | YPS002455       | 57%      | 97.4%          | 98.3%            |
| PAE204246     | ABA100111       | 59%      | 100%           | 100%             |
| PAE204246     | BAN102950       | 46%      | 98.9%          | 99.4%            |
| PAE204246     | BAN110172       | 50%      | 98.9%          | 98.3%            |
| PAE204246     | BFR10781        | 42%      | 98.9%          | 97.4%            |
| PAE204246     | BPT100867       | 59%      | 100%           | 100%             |
| PAE204246     | BBU100492       | 40%      | 98.9%          | 97.2%            |
| PAE204246     | BCE105068       | 57%      | 100%           | 100%             |
| PAE204246     | BFU100388       | 59%      | 100%           | 100%             |
| PAE204246     | BMA103347       | 58%      | 100%           | 100%             |
| PAE204246     | CJU101596       | 53%      | 98.9%          | 97.8%            |
| PAE204246     | CPN200112       | 44%      | 98.9%          | 96.2%            |
| PAE204246     | CTR200790       | 46%      | 98.9%          | 96.2%            |
| PAE204246     | CAC101071       | 48%      | 98.9%          | 98.3%            |
| PAE204246     | CBO102597       | 47%      | 98.9%          | 97.8%            |
| PAE204246     | CDF100753       | 49%      | 98.9%          | 97.8%            |
| PAE204246     | CDP101722       | 44%      | 98.9%          | 98.3%            |
| PAE204246     | EBC103655       | 62%      | 100%           | 100%             |
| PAE204246     | EFA201983       | 49%      | 98.9%          | 98.3%            |
| PAE204246     | EFM201241       | 46%      | 98.9%          | 98.3%            |
| PAE204246     | ECO103228       | 62%      | 100%           | 100%             |
| PAE204246     | HIN100773       | 65%      | 100%           | 100%             |
| PAE204246     | HPY101286       | 50%      | 98.9%          | 97.8%            |
| PAE204246     | KPN300489       | 82%      | 19.8%          | 100%             |
| PAE204246     | LPN100869       | 53%      | 100%           | 100%             |
| PAE204246     | LMO102101       | 48%      | 98.9%          | 98.3%            |
| PAE204246     | MCA100158       | 58%      | 100%           | 100%             |
| PAE204246     | MAV102075       | 47%      | 98.9%          | 98.3%            |
| PAE204246     | MBV101643       | 46%      | 98.9%          | 98.3%            |
| PAE204246     | MLP101122       | 46%      | 98.9%          | 98.3%            |
| PAE204246     | MTU200716       | 46%      | 98.9%          | 98.3%            |
| PAE204246     | MGE100169       | 42%      | 98.9%          | 96.7%            |
| PAE204246     | MPN100651       | 43%      | 98.9%          | 96.7%            |
| PAE204246     | NGO100923       | 62%      | 100%           | 100%             |
| PAE204246     | NME200108       | 62%      | 100%           | 100%             |
| PAE204246     | PMU101400       | 67%      | 100%           | 100%             |
| PAE204246     | PRT100556       | 62%      | 100%           | 100%             |
| PAE204246     | PAE204246       | 100%     | 100%           | 100%             |
| PAE204246     | PPU104525       | 90%      | 100%           | 100%             |
| PAE204246     | PSY100295       | 88%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204246     | SPA104330       | 62%      | 100%           | 100%             |
| PAE204246     | STY101820       | 62%      | 100%           | 100%             |
| PAE204246     | SAU802235       | 43%      | 98.9%          | 98.3%            |
| PAE204246     | SEP200253       | 44%      | 98.9%          | 98.3%            |
| PAE204246     | SHA100054       | 54%      | 58.8%          | 97.2%            |
| PAE204246     | SMU100602       | 46%      | 98.9%          | 98.3%            |
| PAE204246     | SPN400204       | 46%      | 98.9%          | 98.3%            |
| PAE204246     | SPY200052       | 44%      | 98.9%          | 98.3%            |
| PAE204246     | TPA100202       | 38%      | 98.9%          | 97.8%            |
| PAE204246     | UUR100248       | 39%      | 98.9%          | 96.7%            |
| PAE204246     | VCH102544       | 62%      | 100%           | 100%             |
| PAE204246     | YPS002454       | 66%      | 100%           | 100%             |
| PAE204247     | ABA100112       | 67%      | 99.2%          | 99.2%            |
| PAE204247     | BAN113611       | 49%      | 96.9%          | 94.1%            |
| PAE204247     | BAN101892       | 49%      | 100%           | 100%             |
| PAE204247     | BFR10780        | 44%      | 98.5%          | 100%             |
| PAE204247     | BPT100866       | 64%      | 99.2%          | 99.2%            |
| PAE204247     | BBU100491       | 33%      | 100%           | 100%             |
| PAE204247     | BCE101537       | 65%      | 99.2%          | 99.2%            |
| PAE204247     | BFU100387       | 66%      | 99.2%          | 99.2%            |
| PAE204247     | BMA101128       | 65%      | 99.2%          | 99.2%            |
| PAE204247     | CJU101597       | 41%      | 98.5%          | 99.2%            |
| PAE204247     | CPN200111       | 42%      | 96.9%          | 96.2%            |
| PAE204247     | CTR200791       | 41%      | 96.9%          | 96.2%            |
| PAE204247     | CAC102421       | 50%      | 100%           | 100%             |
| PAE204247     | CBO102964       | 50%      | 100%           | 100%             |
| PAE204247     | CDF100752       | 46%      | 100%           | 100%             |
| PAE204247     | CDP101719       | 53%      | 100%           | 100%             |
| PAE204247     | EBC103658       | 63%      | 99.2%          | 99.2%            |
| PAE204247     | EFA201984       | 46%      | 100%           | 100%             |
| PAE204247     | EFM200970       | 44%      | 100%           | 100%             |
| PAE204247     | ECO103229       | 64%      | 99.2%          | 99.2%            |
| PAE204247     | HIN100772       | 64%      | 99.2%          | 99.2%            |
| PAE204247     | HPY101287       | 40%      | 98.5%          | 99.2%            |
| PAE204247     | KPN300573       | 62%      | 86.9%          | 98.3%            |
| PAE204247     | LPN100471       | 55%      | 99.2%          | 99.2%            |
| PAE204247     | LMO100791       | 49%      | 100%           | 100%             |
| PAE204247     | MCA100157       | 57%      | 99.2%          | 99.2%            |
| PAE204247     | MAV102073       | 50%      | 100%           | 100%             |
| PAE204247     | MBV101642       | 51%      | 100%           | 100%             |
| PAE204247     | MLP101123       | 49%      | 100%           | 100%             |
| PAE204247     | MTU200715       | 51%      | 100%           | 100%             |
| PAE204247     | MGE100168       | 44%      | 96.9%          | 92.2%            |
| PAE204247     | MPN100652       | 46%      | 96.9%          | 91.5%            |
| PAE204247     | NGO100925       | 67%      | 99.2%          | 99.2%            |
| PAE204247     | NME200109       | 67%      | 99.2%          | 99.2%            |
| PAE204247     | PMU101401       | 66%      | 99.2%          | 99.2%            |
| PAE204247     | PRT100555       | 65%      | 99.2%          | 99.2%            |
| PAE204247     | PAE204247       | 100%     | 100%           | 100%             |
| PAE204247     | PPU108197       | 87%      | 100%           | 100%             |
| PAE204247     | PSY108276       | 90%      | 100%           | 100%             |
| PAE204247     | SPA104332       | 64%      | 99.2%          | 99.2%            |
| PAE204247     | STY101809       | 64%      | 99.2%          | 99.2%            |
| PAE204247     | SAU802236       | 43%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204247     | SEP200255       | 43%      | 100%           | 100%             |
| PAE204247     | SHA101609       | 39%      | 72.3%          | 100%             |
| PAE204247     | SMU100603       | 47%      | 100%           | 100%             |
| PAE204247     | SPN400203       | 46%      | 100%           | 100%             |
| PAE204247     | SPY200051       | 43%      | 100%           | 100%             |
| PAE204247     | TPA100201       | 46%      | 100%           | 100%             |
| PAE204247     | UUR100247       | 43%      | 96.9%          | 97.7%            |
| PAE204247     | VCH102545       | 66%      | 99.2%          | 99.2%            |
| PAE204247     | YPS002453       | 65%      | 99.2%          | 99.2%            |
| PAE204248     | ABA100113       | 72%      | 100%           | 100%             |
| PAE204248     | BAN104895       | 56%      | 38.6%          | 63.9%            |
| PAE204248     | BAN100258       | 56%      | 38.6%          | 63.9%            |
| PAE204248     | BFR103418       | 48%      | 95.0%          | 100%             |
| PAE204248     | BPT104100       | 58%      | 100%           | 100%             |
| PAE204248     | BBU100490       | 45%      | 43.6%          | 59.5%            |
| PAE204248     | BCE114286       | 56%      | 100%           | 100%             |
| PAE204248     | BFU100386       | 57%      | 100%           | 100%             |
| PAE204248     | BMA106945       | 58%      | 100%           | 100%             |
| PAE204248     | CJU101598       | 51%      | 42.6%          | 70.5%            |
| PAE204248     | CPN200907       | 48%      | 100%           | 100%             |
| PAE204248     | CTR200165       | 51%      | 100%           | 100%             |
| PAE204248     | CAC102855       | 38%      | 61.4%          | 88.5%            |
| PAE204248     | CBO101206       | 41%      | 61.4%          | 88.5%            |
| PAE204248     | CDF102552       | 41%      | 55.4%          | 91.8%            |
| PAE204248     | CDP100129       | 54%      | 100%           | 100%             |
| PAE204248     | EBC103661       | 68%      | 100%           | 100%             |
| PAE204248     | EFA201445       | 41%      | 100%           | 100%             |
| PAE204248     | EFA203574       | 44%      | 100%           | 100%             |
| PAE204248     | EFM201806       | 44%      | 57.4%          | 93.4%            |
| PAE204248     | ECO103230       | 69%      | 100%           | 100%             |
| PAE204248     | HIN100771       | 63%      | 100%           | 100%             |
| PAE204248     | HPY101288       | 55%      | 42.6%          | 70.5%            |
| PAE204248     | KPN300574       | 67%      | 100%           | 100%             |
| PAE204248     | LPN101663       | 42%      | 100%           | 100%             |
| PAE204248     | LMO102736       | 48%      | 100%           | 100%             |
| PAE204248     | MCA100105       | 69%      | 100%           | 100%             |
| PAE204248     | MAV102072       | 51%      | 44.6%          | 73.8%            |
| PAE204248     | MBV100099       | 53%      | 100%           | 100%             |
| PAE204248     | MLP101124       | 53%      | 38.6%          | 63.9%            |
| PAE204248     | MTU202023       | 53%      | 100%           | 100%             |
| PAE204248     | MGE100167       | 39%      | 52.5%          | 85.2%            |
| PAE204248     | MPN100653       | 42%      | 44.6%          | 73.8%            |
| PAE204248     | NGO100927       | 56%      | 100%           | 100%             |
| PAE204248     | NME200110       | 56%      | 100%           | 100%             |
| PAE204248     | PMU101402       | 65%      | 100%           | 100%             |
| PAE204248     | PRT100554       | 66%      | 100%           | 100%             |
| PAE204248     | PAE204248       | 100%     | 100%           | 100%             |
| PAE204248     | PPU109128       | 86%      | 100%           | 100%             |
| PAE204248     | PSY100242       | 86%      | 100%           | 100%             |
| PAE204248     | SPA104333       | 64%      | 100%           | 100%             |
| PAE204248     | STY101808       | 67%      | 100%           | 100%             |
| PAE204248     | SAU801336       | 44%      | 100%           | 100%             |
| PAE204248     | SEP201993       | 45%      | 100%           | 100%             |
| PAE204248     | SHA100036       | 43%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204248     | SMU102003       | 46%      | 57.4%          | 93.4%            |
| PAE204248     | SPN400202       | 53%      | 100%           | 100%             |
| PAE204248     | SPY201440       | 38%      | 100%           | 100%             |
| PAE204248     | TPA100200       | 46%      | 44.6%          | 73.8%            |
| PAE204248     | UUR100246       | 44%      | 55.4%          | 90.2%            |
| PAE204248     | VCH102546       | 66%      | 100%           | 100%             |
| PAE204248     | YPS002452       | 65%      | 100%           | 100%             |
| PAE204249     | ABA100107       | 77%      | 85.5%          | 100%             |
| PAE204249     | BAN113536       | 55%      | 97.8%          | 97.8%            |
| PAE204249     | BAN110693       | 61%      | 99.4%          | 99.4%            |
| PAE204249     | BFR10778        | 54%      | 99.4%          | 95.7%            |
| PAE204249     | BPT100865       | 68%      | 100%           | 100%             |
| PAE204249     | BBU100489       | 53%      | 98.3%          | 96.7%            |
| PAE204249     | BCE101479       | 71%      | 100%           | 100%             |
| PAE204249     | BFU100385       | 72%      | 100%           | 100%             |
| PAE204249     | BMA102975       | 71%      | 100%           | 100%             |
| PAE204249     | CJU101599       | 49%      | 98.9%          | 97.8%            |
| PAE204249     | CPN200110       | 51%      | 99.4%          | 98.3%            |
| PAE204249     | CTR200792       | 49%      | 99.4%          | 98.3%            |
| PAE204249     | CAC100782       | 58%      | 97.8%          | 97.2%            |
| PAE204249     | CBO103765       | 58%      | 98.9%          | 98.3%            |
| PAE204249     | CDF100751       | 60%      | 98.3%          | 97.8%            |
| PAE204249     | CDP101582       | 59%      | 98.3%          | 94.1%            |
| PAE204249     | EBC103664       | 67%      | 99.4%          | 99.4%            |
| PAE204249     | EFA201985       | 58%      | 99.4%          | 99.4%            |
| PAE204249     | EFM200921       | 58%      | 99.4%          | 99.4%            |
| PAE204249     | ECO103231       | 68%      | 99.4%          | 99.4%            |
| PAE204249     | HIN100770       | 67%      | 99.4%          | 99.4%            |
| PAE204249     | HPY101289       | 48%      | 98.9%          | 97.8%            |
| PAE204249     | KPN300575       | 73%      | 78.8%          | 99.3%            |
| PAE204249     | LPN102846       | 69%      | 41.9%          | 94.9%            |
| PAE204249     | LMO101852       | 55%      | 99.4%          | 99.4%            |
| PAE204249     | MCA100155       | 68%      | 99.4%          | 100%             |
| PAE204249     | MAV102069       | 63%      | 98.3%          | 94.1%            |
| PAE204249     | MBV101640       | 63%      | 98.3%          | 94.1%            |
| PAE204249     | MLP101125       | 62%      | 98.3%          | 94.1%            |
| PAE204249     | MTU200713       | 63%      | 98.3%          | 94.1%            |
| PAE204249     | MGE100166       | 52%      | 98.9%          | 98.3%            |
| PAE204249     | MPN100654       | 53%      | 98.3%          | 97.8%            |
| PAE204249     | NGO100929       | 69%      | 99.4%          | 99.4%            |
| PAE204249     | NME200111       | 70%      | 99.4%          | 99.4%            |
| PAE204249     | PMU101403       | 67%      | 99.4%          | 99.4%            |
| PAE204249     | PRT100553       | 69%      | 99.4%          | 93.7%            |
| PAE204249     | PAE204249       | 100%     | 100%           | 100%             |
| PAE204249     | PPU104523       | 93%      | 100%           | 100%             |
| PAE204249     | PSY100243       | 97%      | 46.9%          | 100%             |
| PAE204249     | SPA104334       | 68%      | 99.4%          | 99.4%            |
| PAE204249     | STY101807       | 68%      | 99.4%          | 99.4%            |
| PAE204249     | SAU802238       | 60%      | 99.4%          | 99.4%            |
| PAE204249     | SEP200260       | 58%      | 99.4%          | 99.4%            |
| PAE204249     | SHA100780       | 58%      | 99.4%          | 99.4%            |
| PAE204249     | SMU100604       | 60%      | 97.8%          | 97.2%            |
| PAE204249     | SPN400201       | 61%      | 97.8%          | 97.2%            |
| PAE204249     | SPY200049       | 60%      | 97.8%          | 97.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204249     | TPA100199       | 54%      | 97.8%          | 94.6%            |
| PAE204249     | UUR100245       | 50%      | 99.4%          | 96.7%            |
| PAE204249     | VCH102547       | 67%      | 99.4%          | 99.4%            |
| PAE204249     | YPS002451       | 68%      | 99.4%          | 99.4%            |
| PAE204250     | ABA102168       | 59%      | 88.5%          | 100%             |
| PAE204250     | BAN110382       | 54%      | 87.5%          | 88.3%            |
| PAE204250     | BAN104944       | 52%      | 91.3%          | 92.2%            |
| PAE204250     | BFR103505       | 45%      | 96.2%          | 95.3%            |
| PAE204250     | BPT104094       | 53%      | 100%           | 98.1%            |
| PAE204250     | BBU100488       | 33%      | 90.4%          | 91.1%            |
| PAE204250     | BCE110380       | 58%      | 94.2%          | 94.1%            |
| PAE204250     | BFU100383       | 54%      | 100%           | 100%             |
| PAE204250     | BMA108868       | 60%      | 94.2%          | 94.1%            |
| PAE204250     | CJU101600       | 44%      | 65.4%          | 88.3%            |
| PAE204250     | CPN200109       | 39%      | 87.5%          | 79.3%            |
| PAE204250     | CTR200793       | 48%      | 61.5%          | 55.9%            |
| PAE204250     | CAC102906       | 40%      | 89.4%          | 88.7%            |
| PAE204250     | CBO100250       | 44%      | 89.4%          | 89.5%            |
| PAE204250     | CDF103678       | 51%      | 96.2%          | 98.0%            |
| PAE204250     | CDP101580       | 41%      | 96.2%          | 99.0%            |
| PAE204250     | EBC103629       | 67%      | 97.1%          | 97.1%            |
| PAE204250     | EFA205255       | 48%      | 91.3%          | 92.2%            |
| PAE204250     | EFM201757       | 51%      | 91.3%          | 92.2%            |
| PAE204250     | ECO103232       | 65%      | 97.1%          | 97.1%            |
| PAE204250     | HIN100769       | 62%      | 94.2%          | 95.1%            |
| PAE204250     | HPY101290       | 46%      | 64.4%          | 91.8%            |
| PAE204250     | KPN305017       | 65%      | 97.1%          | 97.1%            |
| PAE204250     | LMO101665       | 46%      | 91.3%          | 92.2%            |
| PAE204250     | MCA100154       | 57%      | 98.1%          | 97.1%            |
| PAE204250     | MAV102067       | 48%      | 96.2%          | 99.0%            |
| PAE204250     | MBV101639       | 43%      | 96.2%          | 99.0%            |
| PAE204250     | MLP101126       | 45%      | 96.2%          | 99.0%            |
| PAE204250     | MTU200712       | 43%      | 96.2%          | 99.0%            |
| PAE204250     | MGE100165       | 34%      | 98.1%          | 100%             |
| PAE204250     | MPN100655       | 36%      | 94.2%          | 96.4%            |
| PAE204250     | NGO100931       | 57%      | 93.3%          | 93.5%            |
| PAE204250     | NME200112       | 58%      | 93.3%          | 93.5%            |
| PAE204250     | PMU101404       | 63%      | 94.2%          | 95.1%            |
| PAE204250     | PRT103501       | 61%      | 34.6%          | 92.3%            |
| PAE204250     | PAE204250       | 100%     | 100%           | 100%             |
| PAE204250     | PPU104522       | 90%      | 100%           | 100%             |
| PAE204250     | PSY100105       | 89%      | 100%           | 100%             |
| PAE204250     | SPA104335       | 64%      | 97.1%          | 97.1%            |
| PAE204250     | STY101806       | 66%      | 97.1%          | 97.1%            |
| PAE204250     | SAU802239       | 49%      | 97.1%          | 96.2%            |
| PAE204250     | SEP200261       | 50%      | 97.1%          | 96.2%            |
| PAE204250     | SHA101599       | 45%      | 63.5%          | 91.5%            |
| PAE204250     | SMU100605       | 50%      | 91.3%          | 93.1%            |
| PAE204250     | SPN400200       | 46%      | 91.3%          | 93.1%            |
| PAE204250     | SPY200048       | 50%      | 91.3%          | 93.1%            |
| PAE204250     | TPA100198       | 51%      | 92.3%          | 91.3%            |
| PAE204250     | UUR100244       | 38%      | 94.2%          | 91.8%            |
| PAE204250     | VCH102548       | 64%      | 96.2%          | 95.2%            |
| PAE204250     | YPS002450       | 64%      | 97.1%          | 97.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204251     | ABA102167       | 82%      | 91.0%          | 96.5%            |
| PAE204251     | BAN108009       | 68%      | 100%           | 100%             |
| PAE204251     | BFR100659       | 63%      | 100%           | 100%             |
| PAE204251     | BPT100864       | 81%      | 100%           | 100%             |
| PAE204251     | BBU100487       | 58%      | 100%           | 98.4%            |
| PAE204251     | BCE113728       | 81%      | 100%           | 100%             |
| PAE204251     | BFU100381       | 81%      | 100%           | 100%             |
| PAE204251     | BMA101057       | 81%      | 100%           | 100%             |
| PAE204251     | CJU101601       | 69%      | 100%           | 100%             |
| PAE204251     | CPN200108       | 54%      | 100%           | 100%             |
| PAE204251     | CTR200794       | 57%      | 100%           | 100%             |
| PAE204251     | CAC101685       | 63%      | 100%           | 100%             |
| PAE204251     | CBO100636       | 62%      | 100%           | 100%             |
| PAE204251     | CDF102312       | 66%      | 100%           | 100%             |
| PAE204251     | CDP101578       | 68%      | 100%           | 100%             |
| PAE204251     | EBC103643       | 85%      | 100%           | 100%             |
| PAE204251     | EFA201986       | 66%      | 100%           | 100%             |
| PAE204251     | EFM201996       | 67%      | 100%           | 100%             |
| PAE204251     | ECO103233       | 85%      | 100%           | 100%             |
| PAE204251     | HIN100768       | 84%      | 100%           | 100%             |
| PAE204251     | HPY101291       | 64%      | 100%           | 100%             |
| PAE204251     | KPN305016       | 83%      | 67.2%          | 100%             |
| PAE204251     | LMO100716       | 64%      | 100%           | 100%             |
| PAE204251     | MCA100153       | 83%      | 100%           | 100%             |
| PAE204251     | MAV102065       | 65%      | 100%           | 100%             |
| PAE204251     | MBV101638       | 65%      | 100%           | 100%             |
| PAE204251     | MLP101127       | 64%      | 92.6%          | 100%             |
| PAE204251     | MTU200711       | 65%      | 100%           | 100%             |
| PAE204251     | MGE100164       | 54%      | 100%           | 100%             |
| PAE204251     | MPN100656       | 55%      | 100%           | 100%             |
| PAE204251     | NGO100934       | 81%      | 100%           | 100%             |
| PAE204251     | NME200113       | 81%      | 100%           | 100%             |
| PAE204251     | PMU101405       | 84%      | 100%           | 100%             |
| PAE204251     | PRT103251       | 83%      | 96.7%          | 99.2%            |
| PAE204251     | PAE204251       | 100%     | 100%           | 100%             |
| PAE204251     | PPU108200       | 98%      | 100%           | 100%             |
| PAE204251     | PSY100106       | 98%      | 100%           | 100%             |
| PAE204251     | SPA104303       | 84%      | 100%           | 100%             |
| PAE204251     | STY101805       | 84%      | 100%           | 100%             |
| PAE204251     | SAU802240       | 66%      | 100%           | 100%             |
| PAE204251     | SEP200262       | 68%      | 100%           | 100%             |
| PAE204251     | SHA100778       | 67%      | 100%           | 85.3%            |
| PAE204251     | SMU100606       | 65%      | 100%           | 100%             |
| PAE204251     | SPN400199       | 65%      | 100%           | 100%             |
| PAE204251     | SPY200047       | 63%      | 100%           | 100%             |
| PAE204251     | TPA100197       | 63%      | 100%           | 100%             |
| PAE204251     | UUR100243       | 57%      | 100%           | 100%             |
| PAE204251     | VCH102549       | 83%      | 100%           | 100%             |
| PAE204251     | YPS002449       | 85%      | 100%           | 100%             |
| PAE204252     | BAN105005       | 61%      | 88.6%          | 89.7%            |
| PAE204252     | BFR100428       | 56%      | 94.3%          | 97.6%            |
| PAE204252     | BPT104067       | 60%      | 94.3%          | 89.2%            |
| PAE204252     | BBU100486       | 49%      | 92.0%          | 96.4%            |
| PAE204252     | BCE100913       | 74%      | 87.5%          | 85.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204252     | BFU103897       | 82%      | 39.8%          | 77.8%            |
| PAE204252     | BMA102592       | 70%      | 87.5%          | 85.6%            |
| PAE204252     | CJU101602       | 44%      | 89.8%          | 95.2%            |
| PAE204252     | CPN200107       | 44%      | 92.0%          | 93.0%            |
| PAE204252     | CTR200795       | 52%      | 84.1%          | 88.0%            |
| PAE204252     | CAC101333       | 58%      | 87.5%          | 91.7%            |
| PAE204252     | CBO101908       | 57%      | 87.5%          | 91.7%            |
| PAE204252     | CDF102812       | 55%      | 95.5%          | 97.6%            |
| PAE204252     | CDP102662       | 55%      | 84.1%          | 80.4%            |
| PAE204252     | EBC103647       | 70%      | 89.8%          | 94.0%            |
| PAE204252     | EFA205257       | 53%      | 97.7%          | 90.5%            |
| PAE204252     | EFM201704       | 51%      | 97.7%          | 97.7%            |
| PAE204252     | ECO103234       | 70%      | 89.8%          | 94.0%            |
| PAE204252     | HIN100766       | 62%      | 89.8%          | 92.9%            |
| PAE204252     | HPY101292       | 44%      | 84.1%          | 86.0%            |
| PAE204252     | KPN204999       | 69%      | 89.8%          | 94.0%            |
| PAE204252     | LMO101712       | 57%      | 88.6%          | 89.7%            |
| PAE204252     | MCA101811       | 59%      | 92.0%          | 90%              |
| PAE204252     | MAV102052       | 53%      | 87.5%          | 65.8%            |
| PAE204252     | MBV101010       | 51%      | 87.5%          | 56.6%            |
| PAE204252     | MLP101128       | 53%      | 83.0%          | 57.5%            |
| PAE204252     | MTU200707       | 51%      | 87.5%          | 56.6%            |
| PAE204252     | MGE100163       | 47%      | 87.5%          | 91.8%            |
| PAE204252     | MPN100657       | 47%      | 87.5%          | 91.8%            |
| PAE204252     | NGO102122       | 66%      | 90.9%          | 92.0%            |
| PAE204252     | NME200114       | 67%      | 90.9%          | 92.0%            |
| PAE204252     | PMU101406       | 62%      | 89.8%          | 92.9%            |
| PAE204252     | PRT103498       | 61%      | 76.1%          | 98.5%            |
| PAE204252     | PAE204252       | 100%     | 100%           | 100%             |
| PAE204252     | PPU104520       | 87%      | 100%           | 97.8%            |
| PAE204252     | PSY107655       | 89%      | 100%           | 100%             |
| PAE204252     | SPA104305       | 56%      | 89.8%          | 94.0%            |
| PAE204252     | STY101804       | 69%      | 89.8%          | 94.0%            |
| PAE204252     | SAU802241       | 53%      | 88.6%          | 89.7%            |
| PAE204252     | SEP200263       | 57%      | 88.6%          | 89.7%            |
| PAE204252     | SHA100777       | 53%      | 88.6%          | 89.7%            |
| PAE204252     | SMU100607       | 57%      | 93.2%          | 95.3%            |
| PAE204252     | SPN400198       | 56%      | 88.6%          | 90.7%            |
| PAE204252     | SPY200046       | 57%      | 88.6%          | 90.7%            |
| PAE204252     | TPA100196       | 59%      | 87.5%          | 91.7%            |
| PAE204252     | UUR100242       | 53%      | 87.5%          | 91.7%            |
| PAE204252     | VCH102550       | 73%      | 88.6%          | 92.9%            |
| PAE204252     | YPS002447       | 68%      | 89.8%          | 94.0%            |
| PAE204253     | BAN110808       | 38%      | 95.2%          | 90.9%            |
| PAE204253     | BPT104063       | 55%      | 100%           | 100%             |
| PAE204253     | BCE113660       | 52%      | 100%           | 98.4%            |
| PAE204253     | BFU103895       | 52%      | 100%           | 96.9%            |
| PAE204253     | BMA106564       | 53%      | 100%           | 98.4%            |
| PAE204253     | CJU101603       | 36%      | 92.1%          | 95.1%            |
| PAE204253     | CTR200796       | 35%      | 88.9%          | 79.2%            |
| PAE204253     | CAC100885       | 50%      | 95.2%          | 89.6%            |
| PAE204253     | CBO100087       | 42%      | 88.9%          | 80%              |
| PAE204253     | CDF101032       | 46%      | 95.2%          | 84.5%            |
| PAE204253     | CDP102152       | 48%      | 92.1%          | 76.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204253     | EBC103651       | 72%      | 98.4%          | 98.4%            |
| PAE204253     | EFA205258       | 42%      | 96.8%          | 98.4%            |
| PAE204253     | EFM200524       | 44%      | 96.8%          | 98.4%            |
| PAE204253     | ECO103235       | 75%      | 98.4%          | 98.4%            |
| PAE204253     | HIN100765       | 65%      | 100%           | 100%             |
| PAE204253     | HPY101293       | 34%      | 92.1%          | 87.9%            |
| PAE204253     | KPN205610       | 74%      | 98.4%          | 98.4%            |
| PAE204253     | LMO100756       | 40%      | 95.2%          | 95.2%            |
| PAE204253     | MCA100557       | 48%      | 95.2%          | 92.3%            |
| PAE204253     | MAV108778       | 46%      | 88.9%          | 72.7%            |
| PAE204253     | MBV101011       | 46%      | 88.9%          | 72.7%            |
| PAE204253     | MLP101129       | 48%      | 88.9%          | 69.1%            |
| PAE204253     | MTU200706       | 46%      | 88.9%          | 72.7%            |
| PAE204253     | MPN100658       | 34%      | 92.1%          | 52.3%            |
| PAE204253     | NGO103266       | 65%      | 100%           | 100%             |
| PAE204253     | NME200115       | 65%      | 100%           | 100%             |
| PAE204253     | PMU101407       | 65%      | 100%           | 100%             |
| PAE204253     | PRT104948       | 71%      | 71.4%          | 97.8%            |
| PAE204253     | PAE204253       | 100%     | 100%           | 100%             |
| PAE204253     | PPU108202       | 96%      | 100%           | 98.4%            |
| PAE204253     | PSY103398       | 96%      | 100%           | 98.4%            |
| PAE204253     | SPA104959       | 80%      | 47.6%          | 71.4%            |
| PAE204253     | STY107537       | 74%      | 98.4%          | 98.4%            |
| PAE204253     | SAU802242       | 40%      | 95.2%          | 87.0%            |
| PAE204253     | SEP202582       | 40%      | 95.2%          | 87.0%            |
| PAE204253     | SHA103379       | 40%      | 95.2%          | 87.0%            |
| PAE204253     | SMU102853       | 50%      | 82.5%          | 75.4%            |
| PAE204253     | SPN400197       | 47%      | 87.3%          | 80.9%            |
| PAE204253     | SPY200045       | 45%      | 87.3%          | 80.9%            |
| PAE204253     | UUR100241       | 29%      | 92.1%          | 77.3%            |
| PAE204253     | VCH102551       | 70%      | 98.4%          | 98.4%            |
| PAE204253     | YPS005126       | 70%      | 98.4%          | 98.4%            |
| PAE204254     | ABA100087       | 76%      | 85.4%          | 98.3%            |
| PAE204254     | BAN105442       | 58%      | 97.8%          | 93.1%            |
| PAE204254     | BFR12478        | 55%      | 97.8%          | 93.1%            |
| PAE204254     | BPT104060       | 73%      | 99.3%          | 98.6%            |
| PAE204254     | BBU100484       | 56%      | 97.8%          | 97.1%            |
| PAE204254     | BCE110254       | 71%      | 97.8%          | 97.1%            |
| PAE204254     | BFU100274       | 71%      | 97.8%          | 97.1%            |
| PAE204254     | BMA108797       | 72%      | 97.8%          | 97.1%            |
| PAE204254     | CJU101604       | 67%      | 97.8%          | 95.0%            |
| PAE204254     | CPN200105       | 56%      | 97.8%          | 97.1%            |
| PAE204254     | CTR200797       | 55%      | 97.8%          | 97.1%            |
| PAE204254     | CAC102622       | 56%      | 97.8%          | 91.2%            |
| PAE204254     | CBO103643       | 57%      | 97.8%          | 91.2%            |
| PAE204254     | CDF100749       | 55%      | 97.8%          | 93.7%            |
| PAE204254     | CDP101572       | 52%      | 51.8%          | 94.7%            |
| PAE204254     | EBC103654       | 78%      | 100%           | 100%             |
| PAE204254     | EFA201987       | 54%      | 100%           | 95.1%            |
| PAE204254     | EFM200770       | 54%      | 100%           | 95.1%            |
| PAE204254     | ECO103236       | 77%      | 100%           | 100%             |
| PAE204254     | HIN100764       | 76%      | 100%           | 100%             |
| PAE204254     | HPY101294       | 65%      | 96.4%          | 93.6%            |
| PAE204254     | KPN300638       | 78%      | 91.2%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204254     | LMO101423       | 55%      | 97.8%          | 93.1%            |
| PAE204254     | MCA100019       | 74%      | 100%           | 100%             |
| PAE204254     | MAV102093       | 50%      | 97.8%          | 97.1%            |
| PAE204254     | MBV101012       | 49%      | 94.9%          | 94.2%            |
| PAE204254     | MLP101130       | 50%      | 97.8%          | 97.1%            |
| PAE204254     | MTU200705       | 50%      | 97.8%          | 97.1%            |
| PAE204254     | MGE100161       | 45%      | 97.8%          | 97.1%            |
| PAE204254     | MPN100659       | 47%      | 97.8%          | 96.4%            |
| PAE204254     | NGO100936       | 72%      | 99.3%          | 98.6%            |
| PAE204254     | NME200116       | 72%      | 99.3%          | 98.6%            |
| PAE204254     | PMU101408       | 77%      | 100%           | 100%             |
| PAE204254     | PRT100078       | 78%      | 100%           | 100%             |
| PAE204254     | PAE204254       | 100%     | 100%           | 100%             |
| PAE204254     | PPU104518       | 94%      | 100%           | 100%             |
| PAE204254     | PSY103397       | 94%      | 100%           | 100%             |
| PAE204254     | SPA104307       | 77%      | 100%           | 100%             |
| PAE204254     | STY101803       | 77%      | 100%           | 100%             |
| PAE204254     | SAU802243       | 58%      | 97.8%          | 93.1%            |
| PAE204254     | SEP200265       | 57%      | 97.8%          | 93.1%            |
| PAE204254     | SHA100775       | 58%      | 97.8%          | 93.1%            |
| PAE204254     | SMU100608       | 55%      | 97.8%          | 97.8%            |
| PAE204254     | SPN400196       | 56%      | 97.8%          | 97.8%            |
| PAE204254     | SPY200044       | 57%      | 97.8%          | 97.8%            |
| PAE204254     | TPA100194       | 57%      | 97.1%          | 95.7%            |
| PAE204254     | UUR100240       | 51%      | 97.8%          | 97.1%            |
| PAE204254     | VCH102552       | 76%      | 100%           | 100%             |
| PAE204254     | YPS002443       | 75%      | 100%           | 100%             |
| PAE204255     | ABA100086       | 69%      | 100%           | 98.3%            |
| PAE204255     | BAN112122       | 54%      | 79.8%          | 100%             |
| PAE204255     | BAN102487       | 57%      | 91.2%          | 94.5%            |
| PAE204255     | BFR10672        | 53%      | 93.0%          | 86.5%            |
| PAE204255     | BPT100851       | 64%      | 100%           | 85.9%            |
| PAE204255     | BBU100483       | 49%      | 91.7%          | 72.4%            |
| PAE204255     | BCE110191       | 68%      | 91.7%          | 78.6%            |
| PAE204255     | BFU100273       | 68%      | 91.7%          | 91.3%            |
| PAE204255     | BMA108753       | 68%      | 91.7%          | 78.6%            |
| PAE204255     | CJU101605       | 55%      | 100%           | 97.9%            |
| PAE204255     | CPN200104       | 53%      | 90.4%          | 92.4%            |
| PAE204255     | CTR200798       | 53%      | 90.4%          | 92.0%            |
| PAE204255     | CAC103109       | 53%      | 96.9%          | 100%             |
| PAE204255     | CBO100517       | 55%      | 93.0%          | 95.5%            |
| PAE204255     | CDF100748       | 51%      | 92.5%          | 78.2%            |
| PAE204255     | CDP101570       | 57%      | 98.7%          | 88.3%            |
| PAE204255     | EBC103657       | 73%      | 98.7%          | 96.6%            |
| PAE204255     | EFA201993       | 61%      | 91.2%          | 95.0%            |
| PAE204255     | EFM201332       | 58%      | 91.2%          | 95.0%            |
| PAE204255     | ECO103237       | 73%      | 98.7%          | 96.6%            |
| PAE204255     | HIN100763       | 72%      | 98.2%          | 96.6%            |
| PAE204255     | HPY101295       | 55%      | 98.2%          | 96.2%            |
| PAE204255     | KPN300639       | 72%      | 100%           | 98.3%            |
| PAE204255     | LMO101810       | 59%      | 94.7%          | 98.6%            |
| PAE204255     | MCA100254       | 65%      | 98.7%          | 95.4%            |
| PAE204255     | MAV102092       | 55%      | 100%           | 81.1%            |
| PAE204255     | MBV101013       | 54%      | 100%           | 82.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204255     | MLP101131       | 54%      | 100%           | 80.8%            |
| PAE204255     | MTU200704       | 54%      | 100%           | 82.8%            |
| PAE204255     | MGE100160       | 41%      | 90.8%          | 78.4%            |
| PAE204255     | MPN100660       | 42%      | 90.8%          | 76.9%            |
| PAE204255     | NGO100939       | 61%      | 99.6%          | 99.1%            |
| PAE204255     | NME200117       | 61%      | 99.6%          | 99.1%            |
| PAE204255     | PMU101409       | 71%      | 99.6%          | 97.0%            |
| PAE204255     | PRT103066       | 72%      | 98.7%          | 97.4%            |
| PAE204255     | PAE204255       | 100%     | 100%           | 100%             |
| PAE204255     | PPU104517       | 95%      | 100%           | 96.2%            |
| PAE204255     | PSY103396       | 96%      | 100%           | 100%             |
| PAE204255     | SPA104309       | 73%      | 98.7%          | 96.6%            |
| PAE204255     | STY101802       | 73%      | 98.7%          | 96.6%            |
| PAE204255     | SAU802244       | 57%      | 91.2%          | 95.4%            |
| PAE204255     | SEP200267       | 56%      | 91.2%          | 95.4%            |
| PAE204255     | SHA100774       | 56%      | 91.2%          | 95.4%            |
| PAE204255     | SMU100609       | 58%      | 93.0%          | 97.2%            |
| PAE204255     | SPN400195       | 59%      | 93.0%          | 97.2%            |
| PAE204255     | SPY200043       | 58%      | 93.0%          | 97.2%            |
| PAE204255     | TPA100193       | 51%      | 91.7%          | 85.4%            |
| PAE204255     | UUR100239       | 42%      | 100%           | 89.1%            |
| PAE204255     | VCH102553       | 71%      | 98.7%          | 97.9%            |
| PAE204255     | YPS002439       | 73%      | 100%           | 98.3%            |
| PAE204256     | ABA100085       | 77%      | 97.3%          | 97.3%            |
| PAE204256     | BAN109858       | 48%      | 100%           | 97.4%            |
| PAE204256     | BAN111310       | 51%      | 100%           | 97.3%            |
| PAE204256     | BFR102815       | 47%      | 96.4%          | 91.5%            |
| PAE204256     | BPT104052       | 64%      | 97.3%          | 98.2%            |
| PAE204256     | BBU100482       | 45%      | 89.1%          | 82.5%            |
| PAE204256     | BCE103775       | 65%      | 99.1%          | 100%             |
| PAE204256     | BFU100272       | 64%      | 99.1%          | 100%             |
| PAE204256     | BMA104499       | 65%      | 99.1%          | 100%             |
| PAE204256     | CJU101606       | 37%      | 89.1%          | 66.7%            |
| PAE204256     | CPN200103       | 43%      | 90.9%          | 90.1%            |
| PAE204256     | CTR200799       | 42%      | 90.9%          | 90.1%            |
| PAE204256     | CAC102305       | 47%      | 100%           | 99.1%            |
| PAE204256     | CBO100872       | 46%      | 100%           | 99.1%            |
| PAE204256     | CDF103249       | 45%      | 100%           | 92.4%            |
| PAE204256     | CDP102437       | 49%      | 88.2%          | 80.8%            |
| PAE204256     | EBC103660       | 68%      | 100%           | 100%             |
| PAE204256     | EFA201995       | 57%      | 90.9%          | 85.5%            |
| PAE204256     | EFM202159       | 57%      | 90.9%          | 87.0%            |
| PAE204256     | ECO103238       | 69%      | 100%           | 100%             |
| PAE204256     | HIN100762       | 70%      | 100%           | 100%             |
| PAE204256     | HPY101296       | 40%      | 95.5%          | 82.8%            |
| PAE204256     | KPN300640       | 71%      | 44.5%          | 100%             |
| PAE204256     | LMO100543       | 53%      | 90%            | 83.9%            |
| PAE204256     | MCA100253       | 66%      | 99.1%          | 100%             |
| PAE204256     | MAV102091       | 48%      | 96.4%          | 58.9%            |
| PAE204256     | MBV101014       | 45%      | 96.4%          | 53.8%            |
| PAE204256     | MLP101132       | 46%      | 96.4%          | 60.6%            |
| PAE204256     | MTU200703       | 45%      | 96.4%          | 53.8%            |
| PAE204256     | MGE100159       | 43%      | 95.5%          | 72.9%            |
| PAE204256     | MPN100661       | 48%      | 95.5%          | 57.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204256     | NGO102695       | 66%      | 99.1%          | 100%             |
| PAE204256     | NME200118       | 66%      | 99.1%          | 100%             |
| PAE204256     | PMU101410       | 70%      | 100%           | 100%             |
| PAE204256     | PRT103067       | 68%      | 100%           | 100%             |
| PAE204256     | PAE204256       | 100%     | 100%           | 100%             |
| PAE204256     | PPU104507       | 100%     | 100%           | 100%             |
| PAE204256     | PSY107686       | 97%      | 83.6%          | 100%             |
| PAE204256     | SPA104311       | 69%      | 100%           | 100%             |
| PAE204256     | STY101801       | 69%      | 100%           | 100%             |
| PAE204256     | SAU802245       | 47%      | 99.1%          | 93.2%            |
| PAE204256     | SEP200269       | 48%      | 99.1%          | 93.2%            |
| PAE204256     | SHA100773       | 48%      | 99.1%          | 93.2%            |
| PAE204256     | SMU100610       | 53%      | 90.9%          | 87.7%            |
| PAE204256     | SPN400194       | 58%      | 90.9%          | 87.7%            |
| PAE204256     | SPY200042       | 52%      | 90.9%          | 87.7%            |
| PAE204256     | TPA100192       | 37%      | 88.2%          | 79.0%            |
| PAE204256     | UUR100238       | 41%      | 89.1%          | 31.8%            |
| PAE204256     | VCH102554       | 74%      | 100%           | 100%             |
| PAE204256     | YPS001865       | 69%      | 100%           | 100%             |
| PAE204257     | ABA100084       | 79%      | 100%           | 100%             |
| PAE204257     | BAN101977       | 52%      | 95.6%          | 95.5%            |
| PAE204257     | BAN110916       | 62%      | 100%           | 98.9%            |
| PAE204257     | BFR104321       | 61%      | 96.7%          | 98.9%            |
| PAE204257     | BPT104048       | 73%      | 100%           | 100%             |
| PAE204257     | BBU100481       | 53%      | 100%           | 100%             |
| PAE204257     | BCE112635       | 75%      | 100%           | 100%             |
| PAE204257     | BFU104367       | 75%      | 100%           | 100%             |
| PAE204257     | BMA100281       | 75%      | 100%           | 100%             |
| PAE204257     | CJU101607       | 58%      | 98.9%          | 96.8%            |
| PAE204257     | CPN200102       | 57%      | 95.6%          | 98.9%            |
| PAE204257     | CTR200800       | 58%      | 95.6%          | 98.9%            |
| PAE204257     | CAC101096       | 59%      | 96.7%          | 94.6%            |
| PAE204257     | CBO102193       | 59%      | 96.7%          | 84.5%            |
| PAE204257     | CDF103424       | 57%      | 100%           | 97.8%            |
| PAE204257     | CDP101567       | 63%      | 100%           | 98.9%            |
| PAE204257     | EBC103663       | 82%      | 100%           | 98.9%            |
| PAE204257     | EFA201997       | 69%      | 100%           | 100%             |
| PAE204257     | EFM202484       | 69%      | 100%           | 100%             |
| PAE204257     | ECO103239       | 82%      | 100%           | 98.9%            |
| PAE204257     | HIN100761       | 83%      | 100%           | 100%             |
| PAE204257     | HPY101297       | 60%      | 98.9%          | 96.8%            |
| PAE204257     | KPN300699       | 82%      | 100%           | 98.9%            |
| PAE204257     | LMO100277       | 71%      | 100%           | 100%             |
| PAE204257     | MCA100252       | 80%      | 100%           | 100%             |
| PAE204257     | MAV102090       | 68%      | 100%           | 98.9%            |
| PAE204257     | MBV101015       | 68%      | 100%           | 98.9%            |
| PAE204257     | MLP101133       | 69%      | 100%           | 98.9%            |
| PAE204257     | MTU200702       | 68%      | 100%           | 98.9%            |
| PAE204257     | MGE100158       | 56%      | 95.6%          | 100%             |
| PAE204257     | MPN100662       | 56%      | 95.6%          | 100%             |
| PAE204257     | NGO102970       | 70%      | 100%           | 98.9%            |
| PAE204257     | NME200119       | 71%      | 100%           | 98.9%            |
| PAE204257     | PMU101411       | 83%      | 100%           | 100%             |
| PAE204257     | PRT100323       | 83%      | 100%           | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204257     | PAE204257       | 100%     | 100%           | 100%             |
| PAE204257     | PPU111002       | 95%      | 100%           | 100%             |
| PAE204257     | PSY101086       | 92%      | 100%           | 100%             |
| PAE204257     | SPA104313       | 82%      | 100%           | 98.9%            |
| PAE204257     | STY101800       | 82%      | 100%           | 98.9%            |
| PAE204257     | SAU802246       | 62%      | 100%           | 98.9%            |
| PAE204257     | SEP200271       | 63%      | 100%           | 98.9%            |
| PAE204257     | SHA100772       | 63%      | 100%           | 98.9%            |
| PAE204257     | SMU102869       | 72%      | 40.7%          | 92.5%            |
| PAE204257     | SPN400192       | 67%      | 100%           | 97.8%            |
| PAE204257     | SPY200041       | 67%      | 100%           | 98.9%            |
| PAE204257     | TPA100191       | 52%      | 100%           | 100%             |
| PAE204257     | UUR100237       | 59%      | 96.7%          | 100%             |
| PAE204257     | VCH102555       | 84%      | 100%           | 98.9%            |
| PAE204257     | YPS001864       | 82%      | 100%           | 98.9%            |
| PAE204259     | ABA100082       | 57%      | 96.0%          | 89.6%            |
| PAE204259     | BFR102748       | 38%      | 86.9%          | 93.8%            |
| PAE204259     | BPT104043       | 52%      | 96.0%          | 96.9%            |
| PAE204259     | BBU100479       | 30%      | 89.9%          | 92.2%            |
| PAE204259     | BCE100645       | 54%      | 99.0%          | 94.2%            |
| PAE204259     | BFU103900       | 55%      | 99.0%          | 94.2%            |
| PAE204259     | BMA108040       | 54%      | 99.0%          | 94.2%            |
| PAE204259     | CJU101609       | 30%      | 78.8%          | 82.8%            |
| PAE204259     | CPN200100       | 33%      | 86.9%          | 95.5%            |
| PAE204259     | CTR200802       | 37%      | 65.7%          | 63.1%            |
| PAE204259     | CAC102428       | 45%      | 78.8%          | 78.6%            |
| PAE204259     | CBO102507       | 41%      | 80.8%          | 81.4%            |
| PAE204259     | CDF101975       | 43%      | 78.8%          | 80.2%            |
| PAE204259     | CDP102947       | 44%      | 83.8%          | 81.2%            |
| PAE204259     | EBC101608       | 52%      | 94.9%          | 94.9%            |
| PAE204259     | EFA205285       | 36%      | 91.9%          | 94.8%            |
| PAE204259     | ECO103241       | 53%      | 100%           | 99%              |
| PAE204259     | HIN100759       | 57%      | 100%           | 100%             |
| PAE204259     | HPY101299       | 29%      | 77.8%          | 81.7%            |
| PAE204259     | KPN300697       | 53%      | 100%           | 99%              |
| PAE204259     | LMO100631       | 39%      | 78.8%          | 81.9%            |
| PAE204259     | MCA100250       | 49%      | 100%           | 91.7%            |
| PAE204259     | MAV102088       | 46%      | 81.8%          | 80%              |
| PAE204259     | MBV101017       | 48%      | 81.8%          | 80%              |
| PAE204259     | MLP101135       | 48%      | 81.8%          | 80%              |
| PAE204259     | MTU200700       | 48%      | 81.8%          | 80%              |
| PAE204259     | MGE100156       | 32%      | 87.9%          | 84.0%            |
| PAE204259     | NGO102702       | 54%      | 99.0%          | 94.2%            |
| PAE204259     | NME200121       | 54%      | 99.0%          | 92.5%            |
| PAE204259     | PMU101413       | 58%      | 100%           | 99%              |
| PAE204259     | PRT100325       | 52%      | 100%           | 99%              |
| PAE204259     | PAE204259       | 100%     | 100%           | 100%             |
| PAE204259     | PPU102891       | 82%      | 100%           | 100%             |
| PAE204259     | PSY107072       | 88%      | 100%           | 100%             |
| PAE204259     | SPA104317       | 53%      | 100%           | 99%              |
| PAE204259     | STY101788       | 53%      | 100%           | 99%              |
| PAE204259     | SAU802248       | 38%      | 81.8%          | 87.9%            |
| PAE204259     | SEP200275       | 40%      | 81.8%          | 87.9%            |
| PAE204259     | SHA100770       | 40%      | 81.8%          | 87.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204259     | SPN400190       | 43%      | 81.8%          | 82.7%            |
| PAE204259     | SPY200039       | 43%      | 81.8%          | 82.7%            |
| PAE204259     | TPA100189       | 40%      | 84.8%          | 88.3%            |
| PAE204259     | VCH102557       | 58%      | 100%           | 99%              |
| PAE204259     | YPS005095       | 53%      | 100%           | 99%              |
| PAE204260     | ABA100081       | 66%      | 100%           | 100%             |
| PAE204260     | BFR10676        | 36%      | 98%            | 96.6%            |
| PAE204260     | BPT100849       | 55%      | 99%            | 97.6%            |
| PAE204260     | BBU100478       | 32%      | 93.5%          | 90.9%            |
| PAE204260     | BCE103118       | 54%      | 98.5%          | 97.1%            |
| PAE204260     | BFU100270       | 52%      | 98.5%          | 97.1%            |
| PAE204260     | BMA104332       | 52%      | 63%            | 96.3%            |
| PAE204260     | CJU101610       | 40%      | 86.5%          | 85.3%            |
| PAE204260     | CPN200099       | 37%      | 78%            | 75%              |
| PAE204260     | CTR200803       | 41%      | 74.5%          | 72.1%            |
| PAE204260     | CAC100377       | 45%      | 94%            | 91.3%            |
| PAE204260     | CBO103307       | 43%      | 97.5%          | 95.6%            |
| PAE204260     | CDF100746       | 41%      | 98%            | 91.7%            |
| PAE204260     | CDP101562       | 37%      | 92.5%          | 86.2%            |
| PAE204260     | EBC101609       | 67%      | 99.5%          | 99.5%            |
| PAE204260     | EFA202001       | 44%      | 94.5%          | 91.8%            |
| PAE204260     | ECO103242       | 67%      | 99.5%          | 99.5%            |
| PAE204260     | HIN100758       | 72%      | 99.5%          | 99.5%            |
| PAE204260     | HPY101300       | 37%      | 79%            | 77.7%            |
| PAE204260     | KPN300696       | 66%      | 99.5%          | 99.5%            |
| PAE204260     | LMO102640       | 45%      | 96%            | 93.2%            |
| PAE204260     | MCA100249       | 65%      | 99.5%          | 99.5%            |
| PAE204260     | MAV102087       | 38%      | 93%            | 86.6%            |
| PAE204260     | MBV101018       | 39%      | 93%            | 84.3%            |
| PAE204260     | MLP101136       | 38%      | 92.5%          | 81.3%            |
| PAE204260     | MTU200699       | 39%      | 93%            | 84.3%            |
| PAE204260     | MGE100155       | 35%      | 86.5%          | 84.4%            |
| PAE204260     | MPN100665       | 33%      | 94%            | 91.0%            |
| PAE204260     | NGO101615       | 50%      | 94%            | 91.7%            |
| PAE204260     | NME200122       | 50%      | 94%            | 91.7%            |
| PAE204260     | PMU101414       | 72%      | 99.5%          | 99.5%            |
| PAE204260     | PRT103342       | 69%      | 99.5%          | 99.5%            |
| PAE204260     | PAE204260       | 100%     | 100%           | 100%             |
| PAE204260     | PPU104504       | 85%      | 100%           | 100%             |
| PAE204260     | PSY108736       | 87%      | 100%           | 100%             |
| PAE204260     | SPA104319       | 67%      | 99.5%          | 99.5%            |
| PAE204260     | STY101787       | 67%      | 99.5%          | 99.5%            |
| PAE204260     | SAU802249       | 46%      | 100%           | 97.1%            |
| PAE204260     | SEP200280       | 46%      | 98.5%          | 96.6%            |
| PAE204260     | SHA100769       | 47%      | 99%            | 97.1%            |
| PAE204260     | SPN400189       | 43%      | 96%            | 93.2%            |
| PAE204260     | SPY200038       | 43%      | 95%            | 92.3%            |
| PAE204260     | TPA100188       | 34%      | 94.5%          | 88.0%            |
| PAE204260     | UUR100234       | 35%      | 84.5%          | 82.0%            |
| PAE204260     | VCH102558       | 74%      | 99.5%          | 99.5%            |
| PAE204260     | YPS001862       | 70%      | 95%            | 94.5%            |
| PAE204261     | ABA100080       | 80%      | 46.0%          | 99.0%            |
| PAE204261     | BFR10677        | 48%      | 94.8%          | 98.0%            |
| PAE204261     | BPT100848       | 66%      | 98.1%          | 92.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204261     | BBU100477       | 44%      | 97.6%          | 99.5%            |
| PAE204261     | BCE112456       | 64%      | 100%           | 98.6%            |
| PAE204261     | BFU100269       | 63%      | 99.5%          | 97.3%            |
| PAE204261     | BMA106660       | 64%      | 99.5%          | 97.3%            |
| PAE204261     | CJU101611       | 38%      | 90.0%          | 92.1%            |
| PAE204261     | CPN200098       | 45%      | 97.6%          | 97.7%            |
| PAE204261     | CTR200804       | 42%      | 99.1%          | 98.2%            |
| PAE204261     | CAC103369       | 48%      | 99.1%          | 100%             |
| PAE204261     | CBO101061       | 48%      | 99.1%          | 96.8%            |
| PAE204261     | CDF100745       | 50%      | 97.2%          | 97.6%            |
| PAE204261     | CDP100915       | 50%      | 97.2%          | 94.5%            |
| PAE204261     | EBC101610       | 75%      | 98.1%          | 99.5%            |
| PAE204261     | EFA202003       | 51%      | 99.5%          | 100%             |
| PAE204261     | ECO103243       | 74%      | 98.1%          | 99.5%            |
| PAE204261     | HIN100757       | 73%      | 98.1%          | 99.5%            |
| PAE204261     | HPY101301       | 34%      | 90.5%          | 93.2%            |
| PAE204261     | KPN300695       | 83%      | 43.6%          | 100%             |
| PAE204261     | LMO102018       | 50%      | 99.5%          | 100%             |
| PAE204261     | MCA100248       | 70%      | 99.1%          | 100%             |
| PAE204261     | MAV102086       | 50%      | 97.2%          | 96.3%            |
| PAE204261     | MBV100990       | 50%      | 97.2%          | 96.3%            |
| PAE204261     | MLP101137       | 49%      | 97.2%          | 95.9%            |
| PAE204261     | MTU200698       | 50%      | 97.2%          | 96.3%            |
| PAE204261     | MGE100154       | 39%      | 98.6%          | 82.1%            |
| PAE204261     | MPN100666       | 43%      | 98.6%          | 73.5%            |
| PAE204261     | NGO101617       | 66%      | 98.6%          | 98.6%            |
| PAE204261     | NME200123       | 66%      | 98.6%          | 98.6%            |
| PAE204261     | PMU101415       | 75%      | 98.1%          | 99.5%            |
| PAE204261     | PRT102977       | 74%      | 98.1%          | 99.5%            |
| PAE204261     | PAE204261       | 100%     | 100%           | 100%             |
| PAE204261     | PPU111511       | 90%      | 100%           | 100%             |
| PAE204261     | PSY106254       | 89%      | 100%           | 95.0%            |
| PAE204261     | SPA104320       | 72%      | 98.1%          | 99.5%            |
| PAE204261     | STY101786       | 75%      | 98.1%          | 99.5%            |
| PAE204261     | SAU802250       | 46%      | 98.6%          | 98.2%            |
| PAE204261     | SEP200281       | 45%      | 98.6%          | 98.2%            |
| PAE204261     | SHA100768       | 49%      | 60.2%          | 96.9%            |
| PAE204261     | SMU100611       | 51%      | 99.1%          | 99.0%            |
| PAE204261     | SPN400188       | 51%      | 99.1%          | 99.0%            |
| PAE204261     | SPY200037       | 51%      | 99.1%          | 99.0%            |
| PAE204261     | TPA100187       | 44%      | 97.6%          | 98.1%            |
| PAE204261     | UUR100233       | 41%      | 96.7%          | 88.0%            |
| PAE204261     | VCH102559       | 74%      | 98.1%          | 99.5%            |
| PAE204261     | YPS001861       | 75%      | 98.1%          | 99.5%            |
| PAE204262     | ABA100720       | 81%      | 64.1%          | 100%             |
| PAE204262     | BAN112470       | 61%      | 81.6%          | 100%             |
| PAE204262     | BFR102501       | 57%      | 97.1%          | 99.0%            |
| PAE204262     | BPT104019       | 74%      | 99.0%          | 85.7%            |
| PAE204262     | BBU100476       | 55%      | 93.2%          | 93.2%            |
| PAE204262     | BCE114850       | 76%      | 99.0%          | 82.3%            |
| PAE204262     | BFU100268       | 77%      | 99.0%          | 71.3%            |
| PAE204262     | BMA104676       | 76%      | 99.0%          | 99.0%            |
| PAE204262     | CJU101612       | 58%      | 94.2%          | 94.2%            |
| PAE204262     | CPN200200       | 64%      | 96.1%          | 94.3%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204262     | CTR200710       | 65%      | 96.1%          | 94.3%            |
| PAE204262     | CAC101769       | 64%      | 99.0%          | 100%             |
| PAE204262     | CBO101448       | 65%      | 99.0%          | 100%             |
| PAE204262     | CDF104153       | 57%      | 61.2%          | 100%             |
| PAE204262     | CDP100914       | 60%      | 97.1%          | 99.0%            |
| PAE204262     | EBC101611       | 92%      | 100%           | 100%             |
| PAE204262     | EFA205288       | 63%      | 99.0%          | 100%             |
| PAE204262     | ECO103244       | 90%      | 100%           | 100%             |
| PAE204262     | HIN100756       | 92%      | 100%           | 87.3%            |
| PAE204262     | HPY101302       | 57%      | 95.1%          | 94.2%            |
| PAE204262     | KPN304660       | 91%      | 100%           | 95.4%            |
| PAE204262     | LMO100137       | 62%      | 99.0%          | 100%             |
| PAE204262     | MCA101858       | 86%      | 100%           | 100%             |
| PAE204262     | MAV102085       | 60%      | 97.1%          | 99.0%            |
| PAE204262     | MBV100992       | 60%      | 97.1%          | 99.0%            |
| PAE204262     | MLP101138       | 60%      | 97.1%          | 99.0%            |
| PAE204262     | MTU200697       | 60%      | 97.1%          | 99.0%            |
| PAE204262     | MGE100153       | 38%      | 94.2%          | 91.5%            |
| PAE204262     | MPN100667       | 37%      | 94.2%          | 89.8%            |
| PAE204262     | NGO102546       | 71%      | 99.0%          | 99.0%            |
| PAE204262     | NME200127       | 71%      | 99.0%          | 99.0%            |
| PAE204262     | PMU101416       | 92%      | 100%           | 100%             |
| PAE204262     | PRT100142       | 92%      | 100%           | 100%             |
| PAE204262     | PAE204262       | 100%     | 100%           | 100%             |
| PAE204262     | PPU104502       | 97%      | 91.3%          | 100%             |
| PAE204262     | PSY106273       | 98%      | 100%           | 83.1%            |
| PAE204262     | SPA104323       | 77%      | 100%           | 95.5%            |
| PAE204262     | STY101785       | 92%      | 100%           | 100%             |
| PAE204262     | SAU802251       | 62%      | 99.0%          | 100%             |
| PAE204262     | SEP200282       | 62%      | 99.0%          | 100%             |
| PAE204262     | SHA102423       | 60%      | 99.0%          | 100%             |
| PAE204262     | SMU100612       | 60%      | 99.0%          | 100%             |
| PAE204262     | SPN400187       | 60%      | 99.0%          | 100%             |
| PAE204262     | SPY200036       | 58%      | 99.0%          | 100%             |
| PAE204262     | TPA100186       | 54%      | 97.1%          | 98.0%            |
| PAE204262     | UUR100232       | 52%      | 97.1%          | 99.0%            |
| PAE204262     | VCH102560       | 90%      | 100%           | 100%             |
| PAE204262     | YPS005092       | 92%      | 100%           | 100%             |
| PAE204265     | ABA100054       | 76%      | 100%           | 100%             |
| PAE204265     | BAN101047       | 47%      | 100%           | 100%             |
| PAE204265     | BAN102922       | 58%      | 100%           | 100%             |
| PAE204265     | BFR102620       | 51%      | 98.7%          | 89.2%            |
| PAE204265     | BPT100845       | 70%      | 100%           | 90.2%            |
| PAE204265     | BBU100385       | 54%      | 100%           | 100%             |
| PAE204265     | BCE114655       | 70%      | 100%           | 100%             |
| PAE204265     | BFU100845       | 71%      | 100%           | 100%             |
| PAE204265     | BMA108128       | 71%      | 100%           | 100%             |
| PAE204265     | CJU100457       | 58%      | 98.7%          | 99.4%            |
| PAE204265     | CPN200198       | 56%      | 100%           | 100%             |
| PAE204265     | CTR200712       | 55%      | 100%           | 100%             |
| PAE204265     | CAC101300       | 58%      | 100%           | 100%             |
| PAE204265     | CBO100058       | 57%      | 100%           | 90.7%            |
| PAE204265     | CDF100549       | 57%      | 100%           | 100%             |
| PAE204265     | CDP100907       | 61%      | 98.7%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204265     | EBC102895       | 69%      | 100%           | 100%             |
| PAE204265     | EFA202013       | 54%      | 100%           | 100%             |
| PAE204265     | ECO103264       | 69%      | 100%           | 87.2%            |
| PAE204265     | HIN100560       | 69%      | 100%           | 100%             |
| PAE204265     | HPY101179       | 60%      | 98.7%          | 99.4%            |
| PAE204265     | KPN300871       | 68%      | 92.9%          | 86.8%            |
| PAE204265     | LMO101111       | 53%      | 100%           | 100%             |
| PAE204265     | MCA100231       | 72%      | 100%           | 100%             |
| PAE204265     | MAV102943       | 58%      | 100%           | 100%             |
| PAE204265     | MBV103316       | 57%      | 100%           | 100%             |
| PAE204265     | MLP101141       | 57%      | 100%           | 100%             |
| PAE204265     | MTU200680       | 57%      | 100%           | 100%             |
| PAE204265     | MGE100090       | 50%      | 98.7%          | 99.4%            |
| PAE204265     | MPN100605       | 48%      | 98.7%          | 99.4%            |
| PAE204265     | NGO101627       | 69%      | 100%           | 100%             |
| PAE204265     | NME200130       | 69%      | 100%           | 100%             |
| PAE204265     | PMU101355       | 70%      | 100%           | 100%             |
| PAE204265     | PRT100252       | 70%      | 100%           | 100%             |
| PAE204265     | PAE204265       | 100%     | 100%           | 100%             |
| PAE204265     | PPU112217       | 94%      | 100%           | 100%             |
| PAE204265     | PSY106485       | 97%      | 26.3%          | 100%             |
| PAE204265     | SPA102393       | 64%      | 66.0%          | 91.2%            |
| PAE204265     | STY101780       | 69%      | 100%           | 100%             |
| PAE204265     | SAU800546       | 57%      | 100%           | 100%             |
| PAE204265     | SEP200070       | 57%      | 100%           | 100%             |
| PAE204265     | SHA102003       | 37%      | 25.6%          | 100%             |
| PAE204265     | SMU100686       | 55%      | 100%           | 100%             |
| PAE204265     | SPN400249       | 57%      | 100%           | 100%             |
| PAE204265     | SPY200201       | 55%      | 100%           | 100%             |
| PAE204265     | TPA100241       | 52%      | 100%           | 100%             |
| PAE204265     | UUR100530       | 48%      | 98.7%          | 99.4%            |
| PAE204265     | VCH100355       | 70%      | 100%           | 100%             |
| PAE204265     | YPS001851       | 71%      | 100%           | 100%             |
| PAE204266     | ABA100053       | 83%      | 100%           | 100%             |
| PAE204266     | BAN100648       | 68%      | 100%           | 97.1%            |
| PAE204266     | BFR10866        | 80%      | 61.0%          | 88.2%            |
| PAE204266     | BPT100844       | 84%      | 100%           | 98.4%            |
| PAE204266     | BBU100386       | 78%      | 100%           | 99.2%            |
| PAE204266     | BCE108786       | 86%      | 100%           | 97.6%            |
| PAE204266     | BFU100844       | 86%      | 100%           | 97.6%            |
| PAE204266     | BMA100034       | 85%      | 100%           | 97.6%            |
| PAE204266     | CJU100456       | 80%      | 100%           | 96.1%            |
| PAE204266     | CPN200197       | 73%      | 100%           | 100%             |
| PAE204266     | CTR200713       | 70%      | 100%           | 100%             |
| PAE204266     | CAC103453       | 77%      | 100%           | 98.4%            |
| PAE204266     | CBO102727       | 75%      | 100%           | 98.4%            |
| PAE204266     | CDF102422       | 70%      | 100%           | 95.1%            |
| PAE204266     | CDP100904       | 74%      | 100%           | 90.4%            |
| PAE204266     | EBC102897       | 88%      | 100%           | 99.2%            |
| PAE204266     | EFA202015       | 71%      | 100%           | 99.3%            |
| PAE204266     | ECO103265       | 88%      | 100%           | 99.2%            |
| PAE204266     | HIN100561       | 88%      | 100%           | 99.2%            |
| PAE204266     | HPY101180       | 74%      | 100%           | 91.1%            |
| PAE204266     | KPN200561       | 89%      | 100%           | 99.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204266     | LMO101449       | 68%      | 100%           | 99.3%            |
| PAE204266     | MCA100230       | 86%      | 100%           | 99.2%            |
| PAE204266     | MAV102944       | 72%      | 100%           | 99.2%            |
| PAE204266     | MBV103315       | 72%      | 100%           | 99.2%            |
| PAE204266     | MLP101142       | 71%      | 100%           | 99.2%            |
| PAE204266     | MTU200679       | 72%      | 100%           | 99.2%            |
| PAE204266     | MGE100089       | 65%      | 100%           | 97.8%            |
| PAE204266     | MPN100606       | 66%      | 100%           | 97.8%            |
| PAE204266     | NGO101631       | 86%      | 100%           | 100%             |
| PAE204266     | NME200131       | 86%      | 100%           | 100%             |
| PAE204266     | PMU101354       | 87%      | 100%           | 99.2%            |
| PAE204266     | PRT103411       | 80%      | 87.0%          | 100%             |
| PAE204266     | PAE204266       | 100%     | 100%           | 100%             |
| PAE204266     | PPU112031       | 95%      | 100%           | 100%             |
| PAE204266     | PSY103389       | 94%      | 100%           | 100%             |
| PAE204266     | SPA102395       | 88%      | 100%           | 99.2%            |
| PAE204266     | STY101779       | 88%      | 100%           | 99.2%            |
| PAE204266     | SAU800545       | 67%      | 100%           | 99.3%            |
| PAE204266     | SEP201889       | 68%      | 100%           | 99.3%            |
| PAE204266     | SHA101640       | 67%      | 100%           | 99.3%            |
| PAE204266     | SMU100684       | 70%      | 100%           | 99.3%            |
| PAE204266     | SPN400248       | 69%      | 100%           | 99.3%            |
| PAE204266     | SPY200200       | 71%      | 100%           | 99.3%            |
| PAE204266     | TPA100240       | 73%      | 100%           | 99.2%            |
| PAE204266     | UUR100531       | 63%      | 100%           | 96.5%            |
| PAE204266     | VCH100354       | 87%      | 100%           | 99.2%            |
| PAE204266     | YPS001825       | 87%      | 100%           | 99.2%            |
| PAE204267     | ABA100041       | 68%      | 11.6%          | 90%              |
| PAE204267     | ABA104621       | 74%      | 99.8%          | 99.8%            |
| PAE204267     | BAN107772       | 29%      | 96.6%          | 97.4%            |
| PAE204267     | BAN101907       | 50%      | 97.5%          | 98.3%            |
| PAE204267     | BFR102987       | 48%      | 96.3%          | 97.0%            |
| PAE204267     | BPT101163       | 68%      | 99.0%          | 97.9%            |
| PAE204267     | BBU100387       | 48%      | 97.1%          | 99.2%            |
| PAE204267     | BCE109927       | 60%      | 57.5%          | 97.7%            |
| PAE204267     | BFU100842       | 70%      | 72.5%          | 64.4%            |
| PAE204267     | BMA101246       | 67%      | 99.1%          | 98.7%            |
| PAE204267     | CJU100444       | 55%      | 96.9%          | 98.7%            |
| PAE204267     | CPN200681       | 50%      | 97.1%          | 97.6%            |
| PAE204267     | CTR200580       | 50%      | 97.1%          | 97.9%            |
| PAE204267     | CAC100576       | 50%      | 96.6%          | 97.4%            |
| PAE204267     | CBO100117       | 52%      | 96.6%          | 97.7%            |
| PAE204267     | CDF100550       | 53%      | 96.6%          | 98.7%            |
| PAE204267     | CDP100877       | 49%      | 6.3%           | 0.9%             |
| PAE204267     | EBC103916       | 75%      | 99.8%          | 99.4%            |
| PAE204267     | EFA200807       | 49%      | 98.4%          | 98.8%            |
| PAE204267     | EFM200070       | 47%      | 96.3%          | 99.7%            |
| PAE204267     | ECO103886       | 75%      | 99.8%          | 99.4%            |
| PAE204267     | HIN100493       | 72%      | 99.5%          | 98.4%            |
| PAE204267     | KPN300484       | 66%      | 10.9%          | 89.5%            |
| PAE204267     | KPN302484       | 75%      | 99.8%          | 99.4%            |
| PAE204267     | LPN100508       | 85%      | 38.6%          | 99.4%            |
| PAE204267     | LMO101517       | 50%      | 97.1%          | 98.5%            |
| PAE204267     | MCA101004       | 70%      | 99.4%          | 97.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204267     | MAV102932       | 45%      | 86.6%          | 78.9%            |
| PAE204267     | MBV100906       | 45%      | 86.6%          | 78.9%            |
| PAE204267     | MLP101144       | 46%      | 86.6%          | 78.9%            |
| PAE204267     | MTU200665       | 45%      | 86.6%          | 78.9%            |
| PAE204267     | MGE100349       | 39%      | 97.2%          | 98.4%            |
| PAE204267     | MPN100327       | 40%      | 97.2%          | 98.5%            |
| PAE204267     | NME200135       | 68%      | 99.4%          | 99.6%            |
| PAE204267     | PMU101736       | 72%      | 99.7%          | 99.6%            |
| PAE204267     | PAE204267       | 100%     | 100%           | 100%             |
| PAE204267     | PPU104498       | 91%      | 100%           | 99.3%            |
| PAE204267     | PSY103340       | 92%      | 100%           | 100%             |
| PAE204267     | SPA101954       | 71%      | 68.7%          | 100%             |
| PAE204267     | STY102668       | 75%      | 99.8%          | 99.4%            |
| PAE204267     | STM102060       | 75%      | 99.8%          | 99.4%            |
| PAE204267     | SAU800543       | 49%      | 98.6%          | 99.8%            |
| PAE204267     | SEP201887       | 49%      | 96.9%          | 98.0%            |
| PAE204267     | SHA100756       | 31%      | 5.6%           | 70.9%            |
| PAE204267     | SHA101637       | 49%      | 97.0%          | 98.3%            |
| PAE204267     | SMU100552       | 48%      | 96.6%          | 97.4%            |
| PAE204267     | SPN401774       | 48%      | 98.1%          | 97.2%            |
| PAE204267     | SPY200072       | 48%      | 96.6%          | 97.1%            |
| PAE204267     | TPA100239       | 49%      | 97.4%          | 97.5%            |
| PAE204267     | UUR100188       | 40%      | 96.1%          | 98.1%            |
| PAE204267     | VCH100324       | 73%      | 99.9%          | 99.8%            |
| PAE204267     | YPS000478       | 75%      | 99.8%          | 99.5%            |
| PAE204269     | ABA105381       | 67%      | 69.7%          | 100%             |
| PAE204269     | BAN106592       | 55%      | 98.4%          | 100%             |
| PAE204269     | BAN112078       | 60%      | 98.4%          | 100%             |
| PAE204269     | BFR106071       | 56%      | 95.9%          | 93.5%            |
| PAE204269     | BPT104549       | 68%      | 100%           | 100%             |
| PAE204269     | BBU100389       | 54%      | 100%           | 100%             |
| PAE204269     | BCE104254       | 68%      | 100%           | 100%             |
| PAE204269     | BFU104514       | 67%      | 100%           | 100%             |
| PAE204269     | BMA108492       | 68%      | 100%           | 100%             |
| PAE204269     | CJU100442       | 60%      | 100%           | 100%             |
| PAE204269     | CPN200683       | 46%      | 95.9%          | 93.8%            |
| PAE204269     | CTR200582       | 49%      | 95.9%          | 93.8%            |
| PAE204269     | CAC103770       | 65%      | 98.4%          | 100%             |
| PAE204269     | CBO100998       | 62%      | 98.4%          | 100%             |
| PAE204269     | CDF100554       | 59%      | 100%           | 99.2%            |
| PAE204269     | CDP100862       | 60%      | 98.4%          | 97.6%            |
| PAE204269     | EBC100455       | 64%      | 100%           | 100%             |
| PAE204269     | EFA200842       | 65%      | 100%           | 100%             |
| PAE204269     | EFM100721       | 62%      | 100%           | 100%             |
| PAE204269     | ECO103884       | 65%      | 100%           | 100%             |
| PAE204269     | HIN100622       | 65%      | 100%           | 100%             |
| PAE204269     | HPY101182       | 53%      | 100%           | 100%             |
| PAE204269     | KPN205542       | 65%      | 100%           | 100%             |
| PAE204269     | LMO102795       | 63%      | 100%           | 100%             |
| PAE204269     | MCA101002       | 69%      | 100%           | 100%             |
| PAE204269     | MAV102937       | 52%      | 98.4%          | 97.7%            |
| PAE204269     | MBV100917       | 50%      | 98.4%          | 97.7%            |
| PAE204269     | MLP101147       | 48%      | 98.4%          | 97.7%            |
| PAE204269     | MTU200649       | 50%      | 98.4%          | 97.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204269     | MGE100372       | 43%      | 98.4%          | 97.5%            |
| PAE204269     | MPN100303       | 42%      | 98.4%          | 97.5%            |
| PAE204269     | NGO101640       | 65%      | 100%           | 100%             |
| PAE204269     | NME200137       | 65%      | 100%           | 100%             |
| PAE204269     | PMU101738       | 67%      | 100%           | 100%             |
| PAE204269     | PRT100056       | 65%      | 100%           | 100%             |
| PAE204269     | PAE204269       | 100%     | 100%           | 100%             |
| PAE204269     | PPU104475       | 77%      | 100%           | 100%             |
| PAE204269     | PSY108092       | 76%      | 52.5%          | 100%             |
| PAE204269     | SPA107849       | 66%      | 100%           | 100%             |
| PAE204269     | STY102674       | 66%      | 100%           | 100%             |
| PAE204269     | STM107215       | 66%      | 100%           | 100%             |
| PAE204269     | SAU800540       | 57%      | 96.7%          | 97.5%            |
| PAE204269     | SEP201884       | 58%      | 95.9%          | 96.7%            |
| PAE204269     | SHA101634       | 59%      | 95.9%          | 96.7%            |
| PAE204269     | SMU100975       | 54%      | 100%           | 100%             |
| PAE204269     | SPN401210       | 58%      | 100%           | 96.1%            |
| PAE204269     | SPY200815       | 56%      | 100%           | 100%             |
| PAE204269     | TPA100237       | 52%      | 98.4%          | 97.7%            |
| PAE204269     | UUR100009       | 52%      | 97.5%          | 96.7%            |
| PAE204269     | VCH100322       | 73%      | 100%           | 100%             |
| PAE204269     | YPS005201       | 63%      | 98.4%          | 97.5%            |
| PAE204270     | ABA104908       | 50%      | 100%           | 100%             |
| PAE204270     | BAN101384       | 39%      | 100%           | 100%             |
| PAE204270     | BAN106254       | 39%      | 100%           | 100%             |
| PAE204270     | BFR101778       | 24%      | 91.6%          | 90%              |
| PAE204270     | BPT104548       | 38%      | 98.8%          | 100%             |
| PAE204270     | BBU100390       | 31%      | 80.1%          | 78.6%            |
| PAE204270     | BCE110567       | 42%      | 100%           | 100%             |
| PAE204270     | BFU104512       | 41%      | 94.6%          | 77.6%            |
| PAE204270     | BMA104533       | 42%      | 97.0%          | 87.0%            |
| PAE204270     | CJU100441       | 30%      | 94.6%          | 96.9%            |
| PAE204270     | CAC103420       | 33%      | 94.0%          | 92.9%            |
| PAE204270     | CBO103649       | 33%      | 100%           | 100%             |
| PAE204270     | CDF100545       | 33%      | 95.2%          | 90.3%            |
| PAE204270     | CDP100855       | 31%      | 84.3%          | 87.7%            |
| PAE204270     | EFA200841       | 39%      | 95.2%          | 95.2%            |
| PAE204270     | EFM100720       | 42%      | 95.8%          | 95.2%            |
| PAE204270     | ECO103883       | 68%      | 98.8%          | 100%             |
| PAE204270     | HIN100621       | 65%      | 99.4%          | 100%             |
| PAE204270     | HPY101183       | 23%      | 94.6%          | 94.5%            |
| PAE204270     | KPN304658       | 68%      | 98.8%          | 100%             |
| PAE204270     | LMO101102       | 40%      | 100%           | 100%             |
| PAE204270     | MCA101001       | 68%      | 100%           | 100%             |
| PAE204270     | MAV102938       | 30%      | 94.6%          | 85.2%            |
| PAE204270     | MBV100919       | 28%      | 93.4%          | 92.7%            |
| PAE204270     | MLP101148       | 30%      | 93.4%          | 93.2%            |
| PAE204270     | MTU200648       | 28%      | 93.4%          | 92.7%            |
| PAE204270     | MGE100371       | 22%      | 94.0%          | 96.9%            |
| PAE204270     | MPN100304       | 21%      | 94.0%          | 97.5%            |
| PAE204270     | NGO101663       | 41%      | 100%           | 99.4%            |
| PAE204270     | NME200138       | 41%      | 100%           | 99.4%            |
| PAE204270     | PMU101739       | 65%      | 99.4%          | 100%             |
| PAE204270     | PRT103043       | 69%      | 98.8%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204270     | PAE204270       | 100%     | 100%           | 100%             |
| PAE204270     | PPU104473       | 88%      | 100%           | 85.1%            |
| PAE204270     | PSY103338       | 90%      | 100%           | 100%             |
| PAE204270     | SPA102794       | 68%      | 98.8%          | 100%             |
| PAE204270     | STY102677       | 68%      | 98.8%          | 100%             |
| PAE204270     | STM102057       | 68%      | 98.8%          | 100%             |
| PAE204270     | SAU800539       | 40%      | 99.4%          | 99.4%            |
| PAE204270     | SEP201883       | 38%      | 99.4%          | 99.4%            |
| PAE204270     | SHA101633       | 38%      | 99.4%          | 99.4%            |
| PAE204270     | SMU100974       | 40%      | 95.8%          | 95.2%            |
| PAE204270     | SPN401211       | 41%      | 95.2%          | 95.2%            |
| PAE204270     | SPY200814       | 42%      | 95.2%          | 95.8%            |
| PAE204270     | TPA100236       | 30%      | 93.4%          | 86.1%            |
| PAE204270     | UUR100008       | 27%      | 89.2%          | 91.0%            |
| PAE204270     | VCH100321       | 69%      | 98.8%          | 100%             |
| PAE204270     | YPS000491       | 66%      | 98.8%          | 100%             |
| PAE204272     | ABA106058       | 75%      | 98.6%          | 99.3%            |
| PAE204272     | BAN106044       | 61%      | 79.0%          | 98.2%            |
| PAE204272     | BFR10521        | 54%      | 99.3%          | 95.9%            |
| PAE204272     | BPT100048       | 75%      | 99.3%          | 99.3%            |
| PAE204272     | BBU100392       | 53%      | 97.2%          | 97.2%            |
| PAE204272     | BCE100591       | 73%      | 100%           | 100%             |
| PAE204272     | BFU104508       | 72%      | 100%           | 94.1%            |
| PAE204272     | BMA106139       | 74%      | 100%           | 100%             |
| PAE204272     | CJU100439       | 60%      | 97.9%          | 98.6%            |
| PAE204272     | CPN200686       | 53%      | 97.2%          | 97.9%            |
| PAE204272     | CTR200585       | 54%      | 97.2%          | 97.9%            |
| PAE204272     | CAC101038       | 64%      | 97.9%          | 98.6%            |
| PAE204272     | CBO102195       | 64%      | 98.6%          | 99.3%            |
| PAE204272     | CDF104047       | 60%      | 98.6%          | 99.3%            |
| PAE204272     | CDP100850       | 62%      | 97.2%          | 97.2%            |
| PAE204272     | EBC102886       | 74%      | 98.6%          | 99.3%            |
| PAE204272     | EFA200839       | 62%      | 98.6%          | 100%             |
| PAE204272     | ECO103881       | 74%      | 98.6%          | 99.3%            |
| PAE204272     | HIN100496       | 70%      | 98.6%          | 99.3%            |
| PAE204272     | HPY101185       | 56%      | 97.9%          | 98.6%            |
| PAE204272     | KPN300527       | 74%      | 98.6%          | 99.3%            |
| PAE204272     | LMO100036       | 60%      | 98.6%          | 99.3%            |
| PAE204272     | MCA100999       | 74%      | 100%           | 100%             |
| PAE204272     | MAV102318       | 64%      | 97.2%          | 97.2%            |
| PAE204272     | MBV103157       | 64%      | 97.2%          | 97.2%            |
| PAE204272     | MLP101154       | 63%      | 97.2%          | 97.2%            |
| PAE204272     | MTU200637       | 64%      | 97.2%          | 97.2%            |
| PAE204272     | MGE100083       | 41%      | 97.9%          | 98.5%            |
| PAE204272     | MPN100612       | 42%      | 97.9%          | 98.5%            |
| PAE204272     | NGO101667       | 75%      | 100%           | 99.3%            |
| PAE204272     | NME200140       | 76%      | 100%           | 99.3%            |
| PAE204272     | PMU101743       | 70%      | 98.6%          | 99.3%            |
| PAE204272     | PAE204272       | 100%     | 100%           | 100%             |
| PAE204272     | PPU104469       | 94%      | 100%           | 100%             |
| PAE204272     | PSY106552       | 90%      | 100%           | 97.3%            |
| PAE204272     | SPA107834       | 83%      | 62.2%          | 90.7%            |
| PAE204272     | STY102683       | 74%      | 98.6%          | 99.3%            |
| PAE204272     | STM102055       | 74%      | 98.6%          | 99.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204272     | SAU800537       | 65%      | 98.6%          | 100%             |
| PAE204272     | SEP201881       | 63%      | 98.6%          | 100%             |
| PAE204272     | SHA101488       | 64%      | 97.9%          | 98.6%            |
| PAE204272     | SMU101147       | 60%      | 97.9%          | 98.6%            |
| PAE204272     | SPN400555       | 61%      | 97.9%          | 98.6%            |
| PAE204272     | SPY200329       | 61%      | 97.9%          | 98.6%            |
| PAE204272     | TPA100234       | 56%      | 97.2%          | 95.2%            |
| PAE204272     | UUR100547       | 47%      | 98.6%          | 90.7%            |
| PAE204272     | VCH100319       | 76%      | 99.3%          | 100%             |
| PAE204272     | YPS000498       | 74%      | 99.3%          | 100%             |
| PAE204273     | ABA101112       | 68%      | 98.3%          | 98.3%            |
| PAE204273     | BAN107620       | 45%      | 100%           | 100%             |
| PAE204273     | BFR10520        | 43%      | 98.3%          | 96.7%            |
| PAE204273     | BPT100046       | 61%      | 99.4%          | 99.4%            |
| PAE204273     | BBU100393       | 37%      | 100%           | 100%             |
| PAE204273     | BCE106900       | 65%      | 98.9%          | 94.6%            |
| PAE204273     | BFU104521       | 65%      | 98.9%          | 94.6%            |
| PAE204273     | BMA104447       | 65%      | 98.9%          | 94.6%            |
| PAE204273     | CJU100438       | 43%      | 98.3%          | 97.2%            |
| PAE204273     | CPN200687       | 37%      | 98.3%          | 95.1%            |
| PAE204273     | CTR200586       | 38%      | 98.3%          | 95.1%            |
| PAE204273     | CAC102306       | 38%      | 98.3%          | 96.5%            |
| PAE204273     | CBO103872       | 42%      | 98.3%          | 96.0%            |
| PAE204273     | CDF104265       | 37%      | 97.7%          | 95.6%            |
| PAE204273     | CDP100848       | 37%      | 97.7%          | 72.2%            |
| PAE204273     | EBC102887       | 72%      | 98.3%          | 96.1%            |
| PAE204273     | EFA200831       | 38%      | 98.9%          | 96.7%            |
| PAE204273     | EFM202000       | 38%      | 93.2%          | 99.4%            |
| PAE204273     | ECO103880       | 72%      | 98.3%          | 96.1%            |
| PAE204273     | HIN100696       | 66%      | 98.9%          | 94.6%            |
| PAE204273     | HPY101186       | 39%      | 97.7%          | 97.7%            |
| PAE204273     | KPN300526       | 76%      | 52.0%          | 98.9%            |
| PAE204273     | LMO102609       | 45%      | 100%           | 100%             |
| PAE204273     | MCA100998       | 59%      | 98.3%          | 98.9%            |
| PAE204273     | MAV102335       | 40%      | 97.7%          | 74.2%            |
| PAE204273     | MBV103155       | 40%      | 97.7%          | 79.8%            |
| PAE204273     | MLP101155       | 38%      | 97.7%          | 83.3%            |
| PAE204273     | MTU200636       | 40%      | 97.7%          | 79.8%            |
| PAE204273     | MGE100054       | 20%      | 59.3%          | 42.4%            |
| PAE204273     | MPN100087       | 22%      | 67.8%          | 46.6%            |
| PAE204273     | NGO101670       | 63%      | 100%           | 99.4%            |
| PAE204273     | NME200141       | 63%      | 100%           | 99.4%            |
| PAE204273     | PMU101744       | 69%      | 98.3%          | 95.1%            |
| PAE204273     | PRT103295       | 72%      | 98.3%          | 96.1%            |
| PAE204273     | PAE204273       | 100%     | 100%           | 100%             |
| PAE204273     | PPU108806       | 94%      | 100%           | 100%             |
| PAE204273     | PSY103335       | 93%      | 99.4%          | 99.4%            |
| PAE204273     | SPA102796       | 72%      | 98.3%          | 96.1%            |
| PAE204273     | STY102686       | 73%      | 98.3%          | 96.1%            |
| PAE204273     | STM102044       | 73%      | 98.3%          | 96.1%            |
| PAE204273     | SAU800535       | 41%      | 99.4%          | 96.7%            |
| PAE204273     | SEP201880       | 41%      | 99.4%          | 96.7%            |
| PAE204273     | SHA101487       | 41%      | 99.4%          | 96.7%            |
| PAE204273     | SMU100495       | 34%      | 98.9%          | 97.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204273     | SPN401818       | 33%      | 98.9%          | 94.5%            |
| PAE204273     | SPY200119       | 35%      | 98.9%          | 96.6%            |
| PAE204273     | TPA100233       | 42%      | 98.9%          | 98.9%            |
| PAE204273     | UUR100588       | 20%      | 97.2%          | 86.4%            |
| PAE204273     | VCH100318       | 72%      | 98.9%          | 96.2%            |
| PAE204273     | YPS000502       | 73%      | 98.3%          | 96.1%            |
| PAE204285     | ABA102333       | 44%      | 94.6%          | 91.5%            |
| PAE204285     | BAN110046       | 21%      | 72.0%          | 95.3%            |
| PAE204285     | BAN100665       | 23%      | 94.3%          | 97.3%            |
| PAE204285     | BAN112042       | 21%      | 93.6%          | 42.9%            |
| PAE204285     | BAN102196       | 25%      | 90.9%          | 97.5%            |
| PAE204285     | BAN106725       | 24%      | 95.3%          | 93.4%            |
| PAE204285     | BAN105758       | 31%      | 42.9%          | 90.4%            |
| PAE204285     | BFR11086        | 28%      | 92.9%          | 96.5%            |
| PAE204285     | BPT101571       | 49%      | 93.2%          | 99.6%            |
| PAE204285     | BCE115215       | 47%      | 94.6%          | 93.7%            |
| PAE204285     | BMA102938       | 32%      | 90.9%          | 87.5%            |
| PAE204285     | CAC102930       | 23%      | 97.6%          | 97.5%            |
| PAE204285     | CBO100389       | 30%      | 23.0%          | 90.9%            |
| PAE204285     | CDF102505       | 21%      | 94.3%          | 87.8%            |
| PAE204285     | KPN301109       | 27%      | 93.2%          | 98.6%            |
| PAE204285     | MCA102862       | 22%      | 90.5%          | 86.9%            |
| PAE204285     | PMU101698       | 28%      | 93.9%          | 94.7%            |
| PAE204285     | PRT101102       | 43%      | 94.3%          | 91.2%            |
| PAE204285     | PAE204285       | 100%     | 100%           | 100%             |
| PAE204285     | PPU100484       | 65%      | 95.9%          | 96.9%            |
| PAE204285     | PSY101025       | 60%      | 80.1%          | 96.3%            |
| PAE204285     | SAU800107       | 24%      | 95.6%          | 96.6%            |
| PAE204285     | SPN401145       | 20%      | 93.2%          | 94.6%            |
| PAE204285     | SPY200825       | 22%      | 66.6%          | 80%              |
| PAE204285     | YPS002375       | 47%      | 95.3%          | 92.5%            |
| PAE204293     | BCE107990       | 33%      | 61.9%          | 58.5%            |
| PAE204293     | BFU108056       | 30%      | 71.9%          | 74.1%            |
| PAE204293     | CJU100562       | 26%      | 65%            | 26.2%            |
| PAE204293     | MBV100975       | 26%      | 51.2%          | 56.1%            |
| PAE204293     | MTU202514       | 26%      | 51.2%          | 56.1%            |
| PAE204293     | PAE204293       | 100%     | 100%           | 100%             |
| PAE204293     | PPU108097       | 36%      | 81.9%          | 80.8%            |
| PAE204293     | PSY106953       | 40%      | 59.4%          | 60.5%            |
| PAE204293     | SEP200554       | 23%      | 57.5%          | 31.0%            |
| PAE204294     | PAE204294       | 100%     | 100%           | 100%             |
| PAE204294     | PPU108108       | 51%      | 92.4%          | 96.0%            |
| PAE204294     | PSY105075       | 47%      | 92%            | 90.2%            |
| PAE204314     | EBC101552       | 47%      | 97.3%          | 99.6%            |
| PAE204314     | ECO101970       | 51%      | 86.9%          | 88.2%            |
| PAE204314     | HIN101344       | 45%      | 93.3%          | 94.1%            |
| PAE204314     | KPN309093       | 52%      | 86.0%          | 87.6%            |
| PAE204314     | PMU100611       | 46%      | 88.3%          | 90.1%            |
| PAE204314     | PRT105881       | 50%      | 89.2%          | 90.5%            |
| PAE204314     | PAE204314       | 100%     | 100%           | 100%             |
| PAE204314     | PPU107754       | 71%      | 99.2%          | 99.8%            |
| PAE204314     | PSY101270       | 69%      | 98.5%          | 99.4%            |
| PAE204314     | SPA103636       | 49%      | 97.5%          | 99.8%            |
| PAE204314     | STY103470       | 51%      | 89.8%          | 91.0%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204314     | STM103236       | 51%      | 89.8%          | 91.0%            |
| PAE204314     | VCH101215       | 49%      | 87.9%          | 89.7%            |
| PAE204314     | YPS002994       | 52%      | 89.0%          | 90.3%            |
| PAE204330     | PAE204330       | 100%     | 100%           | 100%             |
| PAE204345     | BAN107347       | 24%      | 72.9%          | 85.8%            |
| PAE204345     | BCE115205       | 36%      | 90.4%          | 90.4%            |
| PAE204345     | CDF102323       | 23%      | 72.1%          | 80.3%            |
| PAE204345     | CDP100508       | 22%      | 70.1%          | 77.5%            |
| PAE204345     | LPN100523       | 31%      | 28.4%          | 25.5%            |
| PAE204345     | MLP101083       | 24%      | 72.1%          | 85.7%            |
| PAE204345     | PAE204345       | 100%     | 100%           | 100%             |
| PAE204345     | PPU101455       | 62%      | 95.3%          | 96.6%            |
| PAE204345     | PSY101765       | 61%      | 57.8%          | 99.6%            |
| PAE204345     | PSY105041       | 66%      | 78.4%          | 99.3%            |
| PAE204345     | SAU801057       | 24%      | 45.3%          | 41.3%            |
| PAE204345     | SHA100448       | 23%      | 40.6%          | 38.9%            |
| PAE204361     | ABA105892       | 34%      | 96.3%          | 98.3%            |
| PAE204361     | BPT100780       | 41%      | 95.7%          | 96.7%            |
| PAE204361     | BCE107642       | 44%      | 96.3%          | 98.3%            |
| PAE204361     | BFU108097       | 47%      | 90.7%          | 92.6%            |
| PAE204361     | BMA104130       | 45%      | 90.7%          | 92.6%            |
| PAE204361     | CDP100180       | 39%      | 95.7%          | 96.6%            |
| PAE204361     | EBC103705       | 42%      | 95%            | 95.6%            |
| PAE204361     | ECO102851       | 40%      | 94.7%          | 95.3%            |
| PAE204361     | KPN303072       | 41%      | 94.7%          | 95.3%            |
| PAE204361     | MBV102501       | 40%      | 96.3%          | 93.7%            |
| PAE204361     | MTU201952       | 40%      | 96.3%          | 93.7%            |
| PAE204361     | PRT101296       | 40%      | 94.7%          | 94.6%            |
| PAE204361     | PAE204361       | 100%     | 100%           | 100%             |
| PAE204361     | PPU101559       | 76%      | 98%            | 99.3%            |
| PAE204361     | PSY101745       | 73%      | 99%            | 99.3%            |
| PAE204361     | SPA100739       | 52%      | 34%            | 96.1%            |
| PAE204361     | STY104481       | 41%      | 94.7%          | 95.3%            |
| PAE204361     | STM100491       | 41%      | 94.7%          | 95.3%            |
| PAE204361     | VCH100477       | 39%      | 95.7%          | 96.6%            |
| PAE204361     | YPS000188       | 41%      | 95%            | 94.0%            |
| PAE204373     | BFR102552       | 34%      | 96.2%          | 50.5%            |
| PAE204373     | HIN100875       | 45%      | 99.0%          | 98.4%            |
| PAE204373     | LPN100761       | 52%      | 94.2%          | 99.7%            |
| PAE204373     | LMO101639       | 24%      | 21.3%          | 19.9%            |
| PAE204373     | MBV101812       | 28%      | 29.8%          | 39.5%            |
| PAE204373     | MTU301852       | 28%      | 29.8%          | 39.5%            |
| PAE204373     | PMU101132       | 46%      | 99.0%          | 98.4%            |
| PAE204373     | PAE204373       | 100%     | 100%           | 100%             |
| PAE204373     | PPU101529       | 82%      | 99.1%          | 48.8%            |
| PAE204373     | SHA100824       | 25%      | 96.3%          | 90.4%            |
| PAE204373     | VCH100162       | 48%      | 99.0%          | 97.5%            |
| PAE204411     | ABA103723       | 44%      | 87.2%          | 86.9%            |
| PAE204411     | BAN104393       | 39%      | 90.2%          | 98.6%            |
| PAE204411     | BAN108260       | 39%      | 90.2%          | 98.3%            |
| PAE204411     | BFR100762       | 30%      | 87.2%          | 84.0%            |
| PAE204411     | BPT103003       | 44%      | 90.2%          | 91.9%            |
| PAE204411     | BBU100301       | 30%      | 87.0%          | 93.7%            |
| PAE204411     | BCE103498       | 43%      | 91.0%          | 97.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204411     | BFU100816       | 44%      | 92.7%          | 87.8%            |
| PAE204411     | BMA109411       | 43%      | 91.0%          | 85.6%            |
| PAE204411     | CAC100555       | 32%      | 89.7%          | 96.0%            |
| PAE204411     | CBO100202       | 34%      | 89.2%          | 95.1%            |
| PAE204411     | CDF103581       | 33%      | 87.0%          | 91.2%            |
| PAE204411     | CDP101270       | 33%      | 88.2%          | 71.7%            |
| PAE204411     | EBC102569       | 44%      | 88.2%          | 84.5%            |
| PAE204411     | EFA200310       | 32%      | 95.2%          | 98.0%            |
| PAE204411     | EFM200911       | 31%      | 94.2%          | 99.5%            |
| PAE204411     | ECO100089       | 45%      | 90.2%          | 86.5%            |
| PAE204411     | HIN101111       | 41%      | 92.2%          | 92.9%            |
| PAE204411     | HPY101537       | 30%      | 86.5%          | 95.1%            |
| PAE204411     | KPN301852       | 43%      | 90.2%          | 84.4%            |
| PAE204411     | LPN100221       | 56%      | 71.2%          | 94.4%            |
| PAE204411     | LMO101232       | 31%      | 89.0%          | 91.2%            |
| PAE204411     | MCA103455       | 35%      | 89.0%          | 91.6%            |
| PAE204411     | MAV103648       | 34%      | 85.7%          | 55.6%            |
| PAE204411     | MBV100525       | 34%      | 88.0%          | 71.4%            |
| PAE204411     | MLP100568       | 35%      | 85.7%          | 63.5%            |
| PAE204411     | MTU202120       | 34%      | 88.0%          | 66.6%            |
| PAE204411     | NGO100588       | 37%      | 91.7%          | 94.3%            |
| PAE204411     | NME201907       | 37%      | 91.7%          | 91.7%            |
| PAE204411     | PMU100141       | 45%      | 90.2%          | 90.9%            |
| PAE204411     | PRT102637       | 45%      | 91.0%          | 90.9%            |
| PAE204411     | PAE204411       | 100%     | 100%           | 100%             |
| PAE204411     | PPU112591       | 80%      | 99.7%          | 98.5%            |
| PAE204411     | PSY103847       | 81%      | 99.7%          | 98.5%            |
| PAE204411     | STY103175       | 43%      | 90.2%          | 86.5%            |
| PAE204411     | STM102887       | 43%      | 90.2%          | 86.5%            |
| PAE204411     | SAU801113       | 32%      | 79.7%          | 86.6%            |
| PAE204411     | SEP200834       | 31%      | 88.7%          | 89.7%            |
| PAE204411     | SHA101706       | 32%      | 85.5%          | 93.4%            |
| PAE204411     | SMU101535       | 30%      | 94.7%          | 94.8%            |
| PAE204411     | SPN400973       | 32%      | 92.0%          | 95.4%            |
| PAE204411     | SPY200440       | 29%      | 89.5%          | 88.0%            |
| PAE204411     | TPA100383       | 31%      | 96.7%          | 99.7%            |
| PAE204411     | VCH102367       | 48%      | 87.7%          | 87.7%            |
| PAE204411     | YPS001012       | 44%      | 90.2%          | 89.5%            |
| PAE204431     | ABA100676       | 71%      | 100%           | 100%             |
| PAE204431     | BAN101291       | 54%      | 95.8%          | 93.8%            |
| PAE204431     | BAN111521       | 54%      | 95.8%          | 93.8%            |
| PAE204431     | BFR11426        | 45%      | 99.3%          | 93.5%            |
| PAE204431     | BPT102861       | 64%      | 99.3%          | 99.3%            |
| PAE204431     | BBU100338       | 48%      | 97.2%          | 94.5%            |
| PAE204431     | BCE107311       | 61%      | 100%           | 80.7%            |
| PAE204431     | BFU103522       | 61%      | 100%           | 100%             |
| PAE204431     | BMA107182       | 61%      | 100%           | 79.3%            |
| PAE204431     | CJU101396       | 52%      | 97.9%          | 99.3%            |
| PAE204431     | CPN200505       | 48%      | 90.8%          | 86.6%            |
| PAE204431     | CTR200395       | 52%      | 90.8%          | 86.7%            |
| PAE204431     | CAC102148       | 52%      | 100%           | 98.6%            |
| PAE204431     | CBO103121       | 56%      | 100%           | 97.9%            |
| PAE204431     | CDF100062       | 55%      | 98.6%          | 97.9%            |
| PAE204431     | CDP100045       | 45%      | 97.2%          | 93.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204431     | EBC102180       | 75%      | 100%           | 100%             |
| PAE204431     | EFA200811       | 58%      | 98.6%          | 95.9%            |
| PAE204431     | EFM201491       | 60%      | 98.6%          | 79.5%            |
| PAE204431     | ECO103161       | 74%      | 100%           | 100%             |
| PAE204431     | HIN101412       | 72%      | 100%           | 100%             |
| PAE204431     | HPY100082       | 54%      | 93.7%          | 94.3%            |
| PAE204431     | KPN301994       | 76%      | 100%           | 100%             |
| PAE204431     | LPN102178       | 73%      | 100%           | 98.6%            |
| PAE204431     | LMO100177       | 53%      | 95.8%          | 93.8%            |
| PAE204431     | MCA103453       | 67%      | 98.6%          | 97.9%            |
| PAE204431     | MAV103415       | 51%      | 96.5%          | 93.2%            |
| PAE204431     | MBV101152       | 51%      | 95.1%          | 69.2%            |
| PAE204431     | MLP100232       | 50%      | 100%           | 96.6%            |
| PAE204431     | MTU203396       | 51%      | 96.5%          | 93.2%            |
| PAE204431     | MGE100428       | 42%      | 92.3%          | 90.4%            |
| PAE204431     | MPN100225       | 42%      | 95.8%          | 93.2%            |
| PAE204431     | NGO101071       | 64%      | 100%           | 99.3%            |
| PAE204431     | NME200352       | 63%      | 100%           | 99.3%            |
| PAE204431     | PMU100520       | 72%      | 100%           | 100%             |
| PAE204431     | PRT100489       | 76%      | 100%           | 100%             |
| PAE204431     | PAE204431       | 100%     | 100%           | 100%             |
| PAE204431     | PPU105984       | 92%      | 100%           | 100%             |
| PAE204431     | PSY103838       | 92%      | 99.3%          | 99.3%            |
| PAE204431     | SPA100958       | 74%      | 100%           | 100%             |
| PAE204431     | STY101563       | 74%      | 100%           | 100%             |
| PAE204431     | SAU802218       | 55%      | 99.3%          | 97.2%            |
| PAE204431     | SEP202048       | 53%      | 99.3%          | 97.2%            |
| PAE204431     | SHA100040       | 55%      | 75.4%          | 95.5%            |
| PAE204431     | SMU101369       | 54%      | 98.6%          | 94.6%            |
| PAE204431     | SPN400271       | 56%      | 98.6%          | 94.6%            |
| PAE204431     | SPY201486       | 57%      | 98.6%          | 94.6%            |
| PAE204431     | TPA101015       | 50%      | 98.6%          | 98.6%            |
| PAE204431     | UR100584        | 46%      | 92.3%          | 88.5%            |
| PAE204431     | VCH100560       | 73%      | 100%           | 100%             |
| PAE204431     | YPS002279       | 76%      | 100%           | 100%             |
| PAE204471     | ABA105025       | 27%      | 80.5%          | 89.9%            |
| PAE204471     | BPT104331       | 40%      | 77.5%          | 84.2%            |
| PAE204471     | BCE108946       | 33%      | 62%            | 79.7%            |
| PAE204471     | BFU113836       | 35%      | 85%            | 57.5%            |
| PAE204471     | BMA107760       | 38%      | 79.5%          | 80.9%            |
| PAE204471     | EBC106360       | 39%      | 84%            | 91.3%            |
| PAE204471     | ECO104124       | 38%      | 84%            | 91.3%            |
| PAE204471     | HIN101125       | 35%      | 86.5%          | 93.3%            |
| PAE204471     | KPN303808       | 40%      | 84%            | 91.3%            |
| PAE204471     | LPN100214       | 39%      | 77.5%          | 97.5%            |
| PAE204471     | MCA102216       | 23%      | 65.5%          | 77.8%            |
| PAE204471     | NGO100967       | 33%      | 77%            | 91.1%            |
| PAE204471     | NME200966       | 34%      | 79%            | 82.2%            |
| PAE204471     | PMU100119       | 39%      | 84.5%          | 91.7%            |
| PAE204471     | PRT101288       | 38%      | 86.5%          | 95.7%            |
| PAE204471     | PAE204471       | 100%     | 100%           | 100%             |
| PAE204471     | PPU103909       | 72%      | 84.5%          | 97.7%            |
| PAE204471     | PSY106620       | 72%      | 84%            | 97.1%            |
| PAE204471     | SPA102763       | 39%      | 84%            | 91.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204471     | STY103886       | 39%      | 84%            | 91.3%            |
| PAE204471     | VCH102499       | 40%      | 75.5%          | 77.7%            |
| PAE204471     | YPS003251       | 44%      | 83.5%          | 91.2%            |
| PAE204504     | BAN101161       | 32%      | 96.9%          | 97.6%            |
| PAE204504     | BAN109013       | 33%      | 97.2%          | 96.6%            |
| PAE204504     | BAN110060       | 45%      | 96.6%          | 4.8%             |
| PAE204504     | BBU100334       | 45%      | 82.7%          | 84.8%            |
| PAE204504     | BCE106540       | 66%      | 80.2%          | 97.7%            |
| PAE204504     | BFU109289       | 65%      | 98.1%          | 93.2%            |
| PAE204504     | CPN200062       | 41%      | 93.2%          | 93.5%            |
| PAE204504     | CTR200061       | 41%      | 77.7%          | 86.9%            |
| PAE204504     | CAC102648       | 42%      | 97.5%          | 97.2%            |
| PAE204504     | CAC100116       | 43%      | 97.5%          | 97.9%            |
| PAE204504     | CAC103762       | 44%      | 97.5%          | 91.1%            |
| PAE204504     | CBO102577       | 45%      | 97.5%          | 98.1%            |
| PAE204504     | CDF100134       | 45%      | 63.8%          | 99.5%            |
| PAE204504     | CDF104004       | 44%      | 97.5%          | 98.1%            |
| PAE204504     | EBC101780       | 57%      | 98.8%          | 95.5%            |
| PAE204504     | EFA200365       | 45%      | 83.6%          | 84.0%            |
| PAE204504     | EFM201099       | 46%      | 85.1%          | 85.5%            |
| PAE204504     | ECO103463       | 58%      | 98.8%          | 95.5%            |
| PAE204504     | HIN101157       | 59%      | 97.8%          | 96.9%            |
| PAE204504     | HPY100298       | 50%      | 78.9%          | 95.1%            |
| PAE204504     | KPN304278       | 58%      | 98.8%          | 94.7%            |
| PAE204504     | LMO100693       | 48%      | 76.8%          | 77.0%            |
| PAE204504     | MCA100410       | 44%      | 77.4%          | 76.1%            |
| PAE204504     | MAV100734       | 47%      | 99.1%          | 4.1%             |
| PAE204504     | MBV105548       | 47%      | 99.1%          | 4.1%             |
| PAE204504     | MLP100690       | 46%      | 99.1%          | 4.1%             |
| PAE204504     | MTU201264       | 47%      | 99.1%          | 4.1%             |
| PAE204504     | PMU100240       | 56%      | 96.9%          | 96.3%            |
| PAE204504     | PRT105675       | 58%      | 98.1%          | 95.2%            |
| PAE204504     | PAE204504       | 100%     | 100%           | 100%             |
| PAE204504     | PPU101434       | 87%      | 99.7%          | 100%             |
| PAE204504     | PSY104896       | 87%      | 57.9%          | 98.9%            |
| PAE204504     | SPA100907       | 54%      | 98.8%          | 96.7%            |
| PAE204504     | STY100773       | 57%      | 98.8%          | 94.7%            |
| PAE204504     | SAU800993       | 45%      | 99.1%          | 98.2%            |
| PAE204504     | SEP200214       | 45%      | 76.8%          | 80.1%            |
| PAE204504     | SHA101387       | 43%      | 83.6%          | 85.0%            |
| PAE204504     | SMU101520       | 42%      | 83.3%          | 79.8%            |
| PAE204504     | SPN301765       | 44%      | 81.4%          | 83.4%            |
| PAE204504     | SPY200219       | 43%      | 81.4%          | 83.7%            |
| PAE204504     | VCH101076       | 46%      | 97.8%          | 95.8%            |
| PAE204504     | YPS002619       | 58%      | 98.1%          | 94.6%            |
| PAE204510     | ABA105527       | 61%      | 100%           | 98.0%            |
| PAE204510     | BPT101554       | 60%      | 97.7%          | 82.3%            |
| PAE204510     | BCE104233       | 60%      | 100%           | 100%             |
| PAE204510     | BFU100324       | 58%      | 99.7%          | 99.7%            |
| PAE204510     | BMA108732       | 60%      | 99.7%          | 99.7%            |
| PAE204510     | EBC107794       | 56%      | 98.3%          | 98.3%            |
| PAE204510     | KPN307613       | 65%      | 99.7%          | 99%              |
| PAE204510     | PAE204510       | 100%     | 100%           | 100%             |
| PAE204510     | PPU111291       | 69%      | 99.0%          | 99.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204510     | SPA101767       | 53%      | 67.2%          | 94.9%            |
| PAE204510     | STY102347       | 57%      | 98.3%          | 97.0%            |
| PAE204540     | ABA101867       | 66%      | 99.9%          | 99.3%            |
| PAE204540     | BAN105594       | 32%      | 21.7%          | 100%             |
| PAE204540     | BAN100493       | 45%      | 26.0%          | 97.4%            |
| PAE204540     | BAN103472       | 49%      | 42.4%          | 89.1%            |
| PAE204540     | BAN107108       | 54%      | 99.8%          | 99.5%            |
| PAE204540     | BFR10905        | 35%      | 98.5%          | 98.1%            |
| PAE204540     | BFR101559       | 52%      | 99.9%          | 99.8%            |
| PAE204540     | BPT101928       | 64%      | 99.9%          | 99.4%            |
| PAE204540     | BCE104127       | 43%      | 5.2%           | 81.5%            |
| PAE204540     | BCE108256       | 67%      | 99.9%          | 99.4%            |
| PAE204540     | BFU101142       | 69%      | 76.0%          | 98.9%            |
| PAE204540     | BMA104295       | 67%      | 99.9%          | 99.4%            |
| PAE204540     | CJU100472       | 47%      | 99.4%          | 98.9%            |
| PAE204540     | CPN200617       | 48%      | 99.6%          | 98.5%            |
| PAE204540     | CTR200383       | 49%      | 99.6%          | 99.1%            |
| PAE204540     | CAC100315       | 50%      | 99.5%          | 99.1%            |
| PAE204540     | CBO100316       | 52%      | 99.8%          | 99.5%            |
| PAE204540     | CDF100817       | 52%      | 98.6%          | 98.4%            |
| PAE204540     | CDP102540       | 46%      | 3.5%           | 45.5%            |
| PAE204540     | CDP101419       | 55%      | 99.3%          | 99.1%            |
| PAE204540     | EBC100668       | 71%      | 65.1%          | 99.6%            |
| PAE204540     | EFA200871       | 55%      | 99.9%          | 99.1%            |
| PAE204540     | EFM202090       | 55%      | 99.9%          | 99.0%            |
| PAE204540     | ECO102539       | 71%      | 99.8%          | 99.6%            |
| PAE204540     | HIN100839       | 69%      | 99.6%          | 99.5%            |
| PAE204540     | HPY100260       | 48%      | 99.4%          | 99.1%            |
| PAE204540     | KPN301209       | 70%      | 99.8%          | 99.6%            |
| PAE204540     | LPN102913       | 73%      | 98.2%          | 99.6%            |
| PAE204540     | LMO101394       | 52%      | 99.9%          | 99.5%            |
| PAE204540     | MCA100931       | 64%      | 99.9%          | 96.2%            |
| PAE204540     | MAV101212       | 55%      | 99.1%          | 96.9%            |
| PAE204540     | MBV100178       | 57%      | 95.0%          | 99.3%            |
| PAE204540     | MLP101480       | 55%      | 98.7%          | 98.5%            |
| PAE204540     | MTU200383       | 56%      | 98.7%          | 98.5%            |
| PAE204540     | MGE100365       | 48%      | 82.3%          | 98.6%            |
| PAE204540     | MPN100311       | 49%      | 79.4%          | 95.0%            |
| PAE204540     | NGO100439       | 63%      | 100%           | 100%             |
| PAE204540     | NME201542       | 63%      | 100%           | 100%             |
| PAE204540     | PMU101704       | 69%      | 98.7%          | 98.6%            |
| PAE204540     | PRT105204       | 70%      | 99.8%          | 99.5%            |
| PAE204540     | PAE204540       | 100%     | 100%           | 100%             |
| PAE204540     | PPU108177       | 89%      | 99.9%          | 99.9%            |
| PAE204540     | PSY100953       | 88%      | 95.9%          | 99.9%            |
| PAE204540     | SPA106334       | 73%      | 39.9%          | 100%             |
| PAE204540     | STY102189       | 71%      | 99.8%          | 99.6%            |
| PAE204540     | SAU800975       | 51%      | 99.4%          | 98.6%            |
| PAE204540     | SEP200200       | 51%      | 99.5%          | 98.7%            |
| PAE204540     | SHA100227       | 55%      | 89.5%          | 94.8%            |
| PAE204540     | SMU100300       | 42%      | 97.2%          | 96.9%            |
| PAE204540     | SPN300759       | 45%      | 79.7%          | 81.6%            |
| PAE204540     | SPY201161       | 44%      | 79.7%          | 80.7%            |
| PAE204540     | TPA100070       | 52%      | 99.9%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204540     | UUR100394       | 47%      | 81.4%          | 98.0%            |
| PAE204540     | VCH100698       | 70%      | 99.6%          | 99.5%            |
| PAE204540     | YPS002837       | 69%      | 99.8%          | 99.6%            |
| PAE204574     | ABA105409       | 34%      | 98.4%          | 92.9%            |
| PAE204574     | CAC101486       | 25%      | 86.3%          | 91.9%            |
| PAE204574     | CBO102395       | 25%      | 87.1%          | 91.5%            |
| PAE204574     | CDF101894       | 34%      | 89.2%          | 96.0%            |
| PAE204574     | EBC100812       | 36%      | 42.1%          | 82.1%            |
| PAE204574     | ECO100930       | 37%      | 49.7%          | 68.4%            |
| PAE204574     | HIN101290       | 34%      | 54.3%          | 74.2%            |
| PAE204574     | KPN300544       | 54%      | 17.0%          | 78.1%            |
| PAE204574     | MCA101111       | 34%      | 90.9%          | 98.0%            |
| PAE204574     | PMU100483       | 32%      | 63.5%          | 88.4%            |
| PAE204574     | PRT100044       | 50%      | 26.1%          | 77.3%            |
| PAE204574     | PAE204574       | 100%     | 100%           | 100%             |
| PAE204574     | PPU109786       | 81%      | 98.8%          | 99.4%            |
| PAE204574     | PSY104889       | 82%      | 89.7%          | 98.1%            |
| PAE204574     | SPA103381       | 35%      | 49.7%          | 68.6%            |
| PAE204574     | STY103600       | 37%      | 49.7%          | 68.4%            |
| PAE204574     | TPA100015       | 29%      | 91.3%          | 94.2%            |
| PAE204574     | VCH103693       | 35%      | 94.9%          | 99.1%            |
| PAE204574     | YPS002136       | 38%      | 55.1%          | 73.9%            |
| PAE204580     | BCE109900       | 69%      | 99.0%          | 85.3%            |
| PAE204580     | CAC102583       | 33%      | 95.0%          | 95.9%            |
| PAE204580     | MBV101045       | 29%      | 25.2%          | 24.4%            |
| PAE204580     | MTU202418       | 29%      | 25.2%          | 24.4%            |
| PAE204580     | PAE204580       | 100%     | 100%           | 100%             |
| PAE204596     | ABA100290       | 53%      | 48.9%          | 99.5%            |
| PAE204596     | BCE108487       | 56%      | 98.5%          | 97.8%            |
| PAE204596     | EFA201472       | 25%      | 19.9%          | 90.6%            |
| PAE204596     | KPN200571       | 52%      | 47.9%          | 98.6%            |
| PAE204596     | NME100473       | 50%      | 72.9%          | 98.9%            |
| PAE204596     | PAE204596       | 100%     | 100%           | 100%             |
| PAE204596     | PPU110586       | 82%      | 100%           | 100%             |
| PAE204596     | PSY100581       | 77%      | 99.8%          | 99.4%            |
| PAE204614     | BPT100481       | 31%      | 97.9%          | 97.1%            |
| PAE204614     | BCE102421       | 22%      | 90.7%          | 93.9%            |
| PAE204614     | BFU110855       | 23%      | 94.6%          | 80.7%            |
| PAE204614     | EFA201253       | 22%      | 92.5%          | 91.6%            |
| PAE204614     | EFM101557       | 23%      | 88.9%          | 85.7%            |
| PAE204614     | HIN100139       | 22%      | 96.4%          | 98.8%            |
| PAE204614     | HIN101007       | 22%      | 84.3%          | 83.2%            |
| PAE204614     | KPN302119       | 21%      | 94.0%          | 92.7%            |
| PAE204614     | PMU100275       | 51%      | 99.1%          | 87.4%            |
| PAE204614     | PAE205162       | 53%      | 97.0%          | 97.3%            |
| PAE204614     | PAE200883       | 54%      | 99.4%          | 99.4%            |
| PAE204614     | PAE204614       | 100%     | 100%           | 100%             |
| PAE204614     | PPU108073       | 20%      | 93.7%          | 95.4%            |
| PAE204614     | PSY105642       | 23%      | 92.5%          | 89.1%            |
| PAE204614     | STM101198       | 23%      | 86.4%          | 86.9%            |
| PAE204614     | TPA100947       | 20%      | 78.0%          | 78.1%            |
| PAE204614     | VCH101899       | 44%      | 99.7%          | 100%             |
| PAE204614     | YPS003054       | 20%      | 83.4%          | 84.8%            |
| PAE204622     | BPT102188       | 25%      | 92.6%          | 92.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204622     | BCE111864       | 25%      | 92.3%          | 98.9%            |
| PAE204622     | BMA101644       | 24%      | 93.0%          | 97.9%            |
| PAE204622     | PAE204622       | 100%     | 100%           | 100%             |
| PAE204622     | PPU105745       | 25%      | 94.0%          | 95.3%            |
| PAE204662     | ABA105579       | 66%      | 99.4%          | 98.3%            |
| PAE204662     | BAN113068       | 48%      | 94.7%          | 99.4%            |
| PAE204662     | BAN100929       | 51%      | 98.1%          | 99.4%            |
| PAE204662     | BFR11151        | 47%      | 97.8%          | 97.3%            |
| PAE204662     | BPT101750       | 61%      | 99.7%          | 99.2%            |
| PAE204662     | BBU100195       | 48%      | 97.5%          | 98.3%            |
| PAE204662     | BCE108751       | 60%      | 100%           | 99.4%            |
| PAE204662     | BFU107325       | 60%      | 100%           | 99.4%            |
| PAE204662     | BMA103540       | 60%      | 100%           | 99.4%            |
| PAE204662     | CJU101518       | 53%      | 97.5%          | 98.3%            |
| PAE204662     | CPN200648       | 49%      | 93.3%          | 94.7%            |
| PAE204662     | CTR200287       | 50%      | 92.5%          | 93.3%            |
| PAE204662     | CAC101625       | 52%      | 98.9%          | 99.2%            |
| PAE204662     | CBO100481       | 52%      | 98.6%          | 99.2%            |
| PAE204662     | CDF101347       | 53%      | 98.3%          | 100%             |
| PAE204662     | CDP100071       | 43%      | 98.3%          | 99.4%            |
| PAE204662     | EBC100920       | 72%      | 68.3%          | 99.2%            |
| PAE204662     | EFA201655       | 53%      | 96.7%          | 97.5%            |
| PAE204662     | EFM200375       | 52%      | 97.5%          | 98.3%            |
| PAE204662     | ECO101184       | 65%      | 100%           | 99.4%            |
| PAE204662     | HIN101530       | 63%      | 100%           | 99.2%            |
| PAE204662     | HPY100075       | 52%      | 96.7%          | 98.3%            |
| PAE204662     | KPN303478       | 65%      | 100%           | 99.4%            |
| PAE204662     | LPN101572       | 62%      | 99.7%          | 99.2%            |
| PAE204662     | LMO101439       | 50%      | 98.1%          | 98.6%            |
| PAE204662     | MCA100127       | 60%      | 99.7%          | 99.4%            |
| PAE204662     | MAV106507       | 43%      | 94.7%          | 95.5%            |
| PAE204662     | MBV105506       | 43%      | 94.7%          | 95.5%            |
| PAE204662     | MLP100700       | 42%      | 95.6%          | 96.4%            |
| PAE204662     | MTU201282       | 43%      | 94.7%          | 95.5%            |
| PAE204662     | MGE100263       | 47%      | 89.4%          | 89.4%            |
| PAE204662     | MPN100475       | 47%      | 89.4%          | 89.4%            |
| PAE204662     | NGO100540       | 62%      | 100%           | 100%             |
| PAE204662     | NME201794       | 62%      | 100%           | 100%             |
| PAE204662     | PMU100555       | 62%      | 100%           | 99.4%            |
| PAE204662     | PRT101055       | 65%      | 100%           | 99.4%            |
| PAE204662     | PAE204662       | 100%     | 100%           | 100%             |
| PAE204662     | PPU109700       | 84%      | 100%           | 100%             |
| PAE204662     | PSY102423       | 85%      | 100%           | 100%             |
| PAE204662     | SPA100352       | 58%      | 100%           | 99.4%            |
| PAE204662     | STY101661       | 65%      | 100%           | 99.4%            |
| PAE204662     | SAU802118       | 52%      | 98.9%          | 99.2%            |
| PAE204662     | SEP201909       | 51%      | 98.9%          | 99.2%            |
| PAE204662     | SHA100601       | 50%      | 98.9%          | 99.2%            |
| PAE204662     | SMU100318       | 51%      | 98.6%          | 99.2%            |
| PAE204662     | SPN400924       | 49%      | 98.6%          | 99.2%            |
| PAE204662     | SPY200868       | 51%      | 99.2%          | 99.7%            |
| PAE204662     | TPA100050       | 48%      | 95%            | 97.4%            |
| PAE204662     | UUR100003       | 46%      | 91.9%          | 91.9%            |
| PAE204662     | VCH102146       | 61%      | 100%           | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204662     | YPS003258       | 63%      | 100%           | 99.4%            |
| PAE204668     | ABA100156       | 59%      | 47.1%          | 99.0%            |
| PAE204668     | BFR10466        | 28%      | 88.7%          | 88.3%            |
| PAE204668     | BPT100615       | 46%      | 96.6%          | 95.1%            |
| PAE204668     | BBU100785       | 33%      | 83.8%          | 77.6%            |
| PAE204668     | BCE100941       | 45%      | 86.3%          | 87.1%            |
| PAE204668     | BFU104372       | 42%      | 73.5%          | 93.9%            |
| PAE204668     | BMA104337       | 40%      | 93.6%          | 92.3%            |
| PAE204668     | CJU100280       | 24%      | 91.7%          | 100%             |
| PAE204668     | CPN200893       | 33%      | 79.4%          | 88.6%            |
| PAE204668     | CTR200177       | 33%      | 82.8%          | 91.9%            |
| PAE204668     | CBO100745       | 29%      | 82.4%          | 80%              |
| PAE204668     | CDP100213       | 27%      | 98.5%          | 93.7%            |
| PAE204668     | EBC102919       | 43%      | 45.6%          | 97.9%            |
| PAE204668     | EFA200510       | 30%      | 90.2%          | 86.6%            |
| PAE204668     | EFM200879       | 29%      | 89.2%          | 86.1%            |
| PAE204668     | ECO102144       | 38%      | 45.6%          | 97.9%            |
| PAE204668     | HIN101596       | 48%      | 45.6%          | 96.8%            |
| PAE204668     | HPY101475       | 22%      | 83.3%          | 92.1%            |
| PAE204668     | KPN301785       | 39%      | 45.6%          | 97.9%            |
| PAE204668     | LPN100134       | 50%      | 28.4%          | 87.9%            |
| PAE204668     | LMO100830       | 30%      | 86.8%          | 82.1%            |
| PAE204668     | MCA100395       | 42%      | 100%           | 91.9%            |
| PAE204668     | MAV105518       | 33%      | 97.5%          | 85.4%            |
| PAE204668     | MBV105580       | 33%      | 97.5%          | 87.9%            |
| PAE204668     | MLP100176       | 32%      | 82.8%          | 74.9%            |
| PAE204668     | MTU201004       | 33%      | 97.5%          | 87.9%            |
| PAE204668     | NGO101086       | 40%      | 89.2%          | 95.3%            |
| PAE204668     | NME201008       | 40%      | 89.2%          | 95.3%            |
| PAE204668     | PMU100639       | 44%      | 46.1%          | 98.9%            |
| PAE204668     | PRT101142       | 41%      | 44.6%          | 95.7%            |
| PAE204668     | PAE204668       | 100%     | 100%           | 100%             |
| PAE204668     | PPU104091       | 68%      | 100%           | 100%             |
| PAE204668     | PSY102433       | 70%      | 100%           | 100%             |
| PAE204668     | STY104335       | 39%      | 45.6%          | 97.9%            |
| PAE204668     | STM100156       | 39%      | 45.6%          | 97.9%            |
| PAE204668     | SAU800501       | 33%      | 77.5%          | 68.2%            |
| PAE204668     | SEP201834       | 34%      | 77.5%          | 67.6%            |
| PAE204668     | SHA100294       | 35%      | 77.5%          | 67.0%            |
| PAE204668     | TPA100368       | 28%      | 96.6%          | 95.9%            |
| PAE204668     | VCH101613       | 42%      | 44.1%          | 95.7%            |
| PAE204668     | YPS000333       | 43%      | 45.1%          | 96.8%            |
| PAE204678     | PAE204678       | 100%     | 100%           | 100%             |
| PAE204687     | BPT100111       | 39%      | 90.1%          | 83.6%            |
| PAE204687     | BCE114267       | 38%      | 52.5%          | 82.4%            |
| PAE204687     | BFU101584       | 37%      | 88.1%          | 72.5%            |
| PAE204687     | BMA106126       | 36%      | 88.1%          | 85.9%            |
| PAE204687     | CJU100346       | 26%      | 57.4%          | 59.8%            |
| PAE204687     | CAC101034       | 41%      | 24.8%          | 22.2%            |
| PAE204687     | CAC102777       | 28%      | 70.8%          | 65.1%            |
| PAE204687     | EBC103549       | 42%      | 68.8%          | 93.3%            |
| PAE204687     | ECO101936       | 37%      | 95.0%          | 91.5%            |
| PAE204687     | KPN302540       | 39%      | 86.6%          | 90.5%            |
| PAE204687     | PMU100538       | 36%      | 85.1%          | 82.5%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204687     | PAE204687       | 100%     | 100%           | 100%             |
| PAE204687     | PPU100087       | 65%      | 96.5%          | 99.0%            |
| PAE204687     | PSY107002       | 73%      | 96.5%          | 92.4%            |
| PAE204687     | SPA101603       | 39%      | 88.6%          | 94.1%            |
| PAE204687     | STY101659       | 40%      | 88.6%          | 88.4%            |
| PAE204687     | STM102305       | 40%      | 88.6%          | 88.4%            |
| PAE204687     | TPA100566       | 28%      | 37.1%          | 24.2%            |
| PAE204687     | YPS003144       | 40%      | 95.0%          | 93.7%            |
| PAE204705     | BPT102469       | 46%      | 96.9%          | 92.5%            |
| PAE204705     | BCE107363       | 45%      | 64.7%          | 84.4%            |
| PAE204705     | BMA106285       | 47%      | 99.7%          | 86.8%            |
| PAE204705     | EBC101854       | 45%      | 93.5%          | 96.4%            |
| PAE204705     | ECO204406       | 41%      | 93.8%          | 95.6%            |
| PAE204705     | KPN303846       | 40%      | 94.4%          | 94.2%            |
| PAE204705     | PRT100988       | 38%      | 94.1%          | 92.6%            |
| PAE204705     | PAE204705       | 100%     | 100%           | 100%             |
| PAE204705     | YPS002675       | 43%      | 94.6%          | 95.9%            |
| PAE204740     | ABA104593       | 51%      | 100%           | 100%             |
| PAE204740     | BAN113310       | 38%      | 70.7%          | 86.8%            |
| PAE204740     | BAN110029       | 48%      | 77.1%          | 94.3%            |
| PAE204740     | BFR11714        | 43%      | 17.5%          | 0.5%             |
| PAE204740     | BPT100248       | 55%      | 88.7%          | 85.4%            |
| PAE204740     | BBU100800       | 41%      | 79.4%          | 72.8%            |
| PAE204740     | BCE101969       | 57%      | 86.7%          | 99.2%            |
| PAE204740     | BFU100867       | 49%      | 100%           | 100%             |
| PAE204740     | BMA109716       | 50%      | 99.4%          | 100%             |
| PAE204740     | CJU100125       | 37%      | 100%           | 100%             |
| PAE204740     | CPN200434       | 39%      | 9.6%           | 2.8%             |
| PAE204740     | CTR200365       | 38%      | 85.1%          | 78.2%            |
| PAE204740     | CAC100425       | 52%      | 68.6%          | 84.1%            |
| PAE204740     | CBO103185       | 51%      | 68.3%          | 82.3%            |
| PAE204740     | CDF102888       | 50%      | 69.0%          | 90.6%            |
| PAE204740     | CDP100479       | 50%      | 68.9%          | 97.7%            |
| PAE204740     | EBC101431       | 58%      | 95.6%          | 99.8%            |
| PAE204740     | EFA200621       | 42%      | 91.4%          | 95.7%            |
| PAE204740     | EFM201052       | 45%      | 77.7%          | 94.9%            |
| PAE204740     | ECO103100       | 58%      | 100%           | 99.9%            |
| PAE204740     | HIN101252       | 58%      | 93.3%          | 99.4%            |
| PAE204740     | HPY101031       | 38%      | 96.5%          | 85.4%            |
| PAE204740     | KPN301426       | 58%      | 92.9%          | 99.9%            |
| PAE204740     | LPN102343       | 67%      | 51.9%          | 100%             |
| PAE204740     | LMO100282       | 48%      | 73.6%          | 80.6%            |
| PAE204740     | MCA100802       | 52%      | 97.1%          | 94.3%            |
| PAE204740     | MAV100286       | 50%      | 69.5%          | 99.5%            |
| PAE204740     | MBV104310       | 51%      | 51.8%          | 100%             |
| PAE204740     | MLP100953       | 48%      | 72.4%          | 68.4%            |
| PAE204740     | MTU202801       | 48%      | 72.4%          | 70.2%            |
| PAE204740     | MGE100144       | 41%      | 67.5%          | 91.6%            |
| PAE204740     | MPN100676       | 41%      | 67.9%          | 92.4%            |
| PAE204740     | NGO101494       | 56%      | 88.2%          | 95.1%            |
| PAE204740     | NME201748       | 56%      | 14.5%          | 0.8%             |
| PAE204740     | PMU100759       | 58%      | 92.9%          | 98.6%            |
| PAE204740     | PRT102425       | 54%      | 100%           | 99.9%            |
| PAE204740     | PAE204740       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204740     | PPU108488       | 81%      | 100%           | 100%             |
| PAE204740     | PSY104832       | 90%      | 66.0%          | 100%             |
| PAE204740     | SPA101256       | 67%      | 55.1%          | 100%             |
| PAE204740     | STY101473       | 58%      | 100%           | 99.9%            |
| PAE204740     | SAU801269       | 48%      | 77.4%          | 92.9%            |
| PAE204740     | SEP201562       | 44%      | 87.9%          | 97.9%            |
| PAE204740     | SHA100514       | 46%      | 78.6%          | 92.0%            |
| PAE204740     | SMU100784       | 44%      | 88.0%          | 79.6%            |
| PAE204740     | SPN400481       | 43%      | 18.1%          | 1.0%             |
| PAE204740     | SPY201321       | 43%      | 86.0%          | 77.3%            |
| PAE204740     | TPA100881       | 49%      | 71.2%          | 70.5%            |
| PAE204740     | UUR100322       | 42%      | 71.1%          | 98.5%            |
| PAE204740     | VCH100631       | 58%      | 100%           | 99.9%            |
| PAE204740     | YPS001051       | 58%      | 100%           | 99.9%            |
| PAE204767     | ABA104933       | 84%      | 99.5%          | 99.0%            |
| PAE204767     | BAN109344       | 22%      | 34.1%          | 43.5%            |
| PAE204767     | BAN107706       | 25%      | 34.1%          | 42.4%            |
| PAE204767     | BBU100683       | 25%      | 34.1%          | 41.4%            |
| PAE204767     | CBO101704       | 54%      | 32.5%          | 36.8%            |
| PAE204767     | CDF103639       | 43%      | 39.9%          | 45.9%            |
| PAE204767     | EBC103192       | 87%      | 99.5%          | 100%             |
| PAE204767     | EFA200385       | 24%      | 42.8%          | 49.9%            |
| PAE204767     | ECO103527       | 86%      | 99.7%          | 96.0%            |
| PAE204767     | HIN101704       | 75%      | 98.7%          | 98.7%            |
| PAE204767     | KPN305761       | 84%      | 100%           | 96.7%            |
| PAE204767     | LMO101142       | 35%      | 25.5%          | 27.1%            |
| PAE204767     | PAE204767       | 100%     | 100%           | 100%             |
| PAE204767     | PPU108584       | 88%      | 100%           | 100%             |
| PAE204767     | SPA100379       | 86%      | 70.1%          | 100%             |
| PAE204767     | STY100378       | 86%      | 99.7%          | 96.0%            |
| PAE204767     | STM104153       | 87%      | 99.7%          | 96.0%            |
| PAE204767     | SAU802346       | 22%      | 42.8%          | 49.3%            |
| PAE204767     | SEP200052       | 20%      | 42.8%          | 49.3%            |
| PAE204767     | SEP200853       | 20%      | 42.8%          | 49.3%            |
| PAE204767     | SHA102078       | 23%      | 34.6%          | 43.3%            |
| PAE204767     | SMU100940       | 19%      | 52.8%          | 67.4%            |
| PAE204767     | VCH103702       | 83%      | 99.0%          | 99.7%            |
| PAE204767     | YPS003024       | 86%      | 98.4%          | 98.4%            |
| PAE204800     | BFR102771       | 22%      | 92.3%          | 83.3%            |
| PAE204800     | BFU102617       | 25%      | 97.2%          | 92.3%            |
| PAE204800     | BFU114503       | 26%      | 96.6%          | 92.5%            |
| PAE204800     | CPN200469       | 23%      | 81.7%          | 81.6%            |
| PAE204800     | CTR200481       | 21%      | 87.3%          | 86.5%            |
| PAE204800     | CBO101439       | 22%      | 92.0%          | 88.8%            |
| PAE204800     | CBO103058       | 24%      | 96.8%          | 98.5%            |
| PAE204800     | CDF104133       | 22%      | 94.6%          | 97.0%            |
| PAE204800     | EFA201010       | 27%      | 96.8%          | 98.0%            |
| PAE204800     | EFM202030       | 21%      | 88.6%          | 86.2%            |
| PAE204800     | LPN101775       | 26%      | 33.1%          | 74.4%            |
| PAE204800     | LPN100968       | 17%      | 81.1%          | 84.5%            |
| PAE204800     | LPN101607       | 22%      | 82.2%          | 81.8%            |
| PAE204800     | LPN102488       | 22%      | 95.7%          | 93.3%            |
| PAE204800     | LPN102086       | 25%      | 85.8%          | 86.6%            |
| PAE204800     | LMO101800       | 31%      | 97.0%          | 97.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204800     | PRT102321       | 22%      | 97.0%          | 92.0%            |
| PAE204800     | PAE204800       | 100%     | 100%           | 100%             |
| PAE204800     | SPA103770       | 25%      | 95.9%          | 99.3%            |
| PAE204800     | STY101003       | 25%      | 99.4%          | 99.6%            |
| PAE204800     | SMU101534       | 28%      | 95.1%          | 97.6%            |
| PAE204800     | UUR100224       | 23%      | 50.5%          | 37.0%            |
| PAE204826     | ABA100265       | 34%      | 97.8%          | 87.3%            |
| PAE204826     | BAN104943       | 33%      | 46.8%          | 30.9%            |
| PAE204826     | BAN100967       | 33%      | 46.8%          | 30.2%            |
| PAE204826     | BCE106941       | 39%      | 91.9%          | 89.7%            |
| PAE204826     | BFU102012       | 37%      | 98.4%          | 92.2%            |
| PAE204826     | PAE204826       | 100%     | 100%           | 100%             |
| PAE204826     | PSY108250       | 54%      | 100%           | 98.4%            |
| PAE204826     | SPN402037       | 24%      | 58.1%          | 53.9%            |
| PAE204877     | BCE106244       | 61%      | 89.8%          | 87.4%            |
| PAE204877     | BFU101663       | 71%      | 92.5%          | 91.5%            |
| PAE204877     | BMA101355       | 59%      | 96.9%          | 93.2%            |
| PAE204877     | MAV108341       | 35%      | 56.9%          | 26.0%            |
| PAE204877     | MAV108800       | 37%      | 55.7%          | 32.7%            |
| PAE204877     | MBV102879       | 33%      | 62.4%          | 37.3%            |
| PAE204877     | MTU200217       | 33%      | 62.4%          | 37.3%            |
| PAE204877     | PAE204877       | 100%     | 100%           | 100%             |
| PAE204877     | PSY102852       | 69%      | 100%           | 100%             |
| PAE204883     | ABA105321       | 46%      | 93.5%          | 90.6%            |
| PAE204883     | ABA104613       | 56%      | 94.3%          | 95.3%            |
| PAE204883     | BAN100629       | 21%      | 64.9%          | 60.7%            |
| PAE204883     | CDP100940       | 40%      | 93.5%          | 80.8%            |
| PAE204883     | EBC101375       | 34%      | 17.6%          | 21.4%            |
| PAE204883     | MAV101692       | 53%      | 95.9%          | 96.7%            |
| PAE204883     | MBV101707       | 46%      | 94.1%          | 82.0%            |
| PAE204883     | MTU203186       | 46%      | 94.1%          | 82.0%            |
| PAE204883     | PAE204883       | 100%     | 100%           | 100%             |
| PAE204884     | ABA105033       | 31%      | 91.0%          | 92.4%            |
| PAE204884     | CDP100938       | 28%      | 82.2%          | 79.7%            |
| PAE204884     | MAV101693       | 36%      | 80.1%          | 77.5%            |
| PAE204884     | MBV101709       | 33%      | 95.9%          | 91.8%            |
| PAE204884     | MTU203187       | 33%      | 95.9%          | 91.8%            |
| PAE204884     | PMU100720       | 27%      | 22.7%          | 100%             |
| PAE204884     | PAE204884       | 100%     | 100%           | 100%             |
| PAE204909     | PAE204909       | 100%     | 100%           | 100%             |
| PAE204909     | PPU102291       | 63%      | 87.8%          | 96.1%            |
| PAE204909     | PPU111473       | 61%      | 94.9%          | 99.3%            |
| PAE204909     | PSY101885       | 71%      | 95.2%          | 90.3%            |
| PAE204911     | ABA100134       | 35%      | 96.1%          | 84.7%            |
| PAE204911     | BFR11474        | 25%      | 77.9%          | 80.2%            |
| PAE204911     | BPT102027       | 26%      | 37.2%          | 24.3%            |
| PAE204911     | CAC103630       | 26%      | 87.9%          | 83.1%            |
| PAE204911     | CDP102364       | 28%      | 86.6%          | 79.3%            |
| PAE204911     | EBC105849       | 34%      | 31.6%          | 55.2%            |
| PAE204911     | EFA200852       | 26%      | 91.3%          | 85.0%            |
| PAE204911     | EFM200585       | 27%      | 90.0%          | 83.9%            |
| PAE204911     | LMO102769       | 27%      | 49.8%          | 50.8%            |
| PAE204911     | MCA102056       | 25%      | 43.3%          | 31.1%            |
| PAE204911     | MAV100541       | 29%      | 83.5%          | 77.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204911     | MBV104034       | 27%      | 83.5%          | 79.2%            |
| PAE204911     | MLP100758       | 28%      | 83.5%          | 78.2%            |
| PAE204911     | MTU201572       | 27%      | 83.5%          | 79.2%            |
| PAE204911     | PRT101899       | 38%      | 96.1%          | 83.5%            |
| PAE204911     | PAE204911       | 100%     | 100%           | 100%             |
| PAE204911     | VCH102833       | 30%      | 77.9%          | 81.9%            |
| PAE204922     | BCE111963       | 39%      | 96.0%          | 99.5%            |
| PAE204922     | BFU103134       | 40%      | 99.5%          | 97.7%            |
| PAE204922     | BMA100331       | 41%      | 96.3%          | 100%             |
| PAE204922     | MAV106939       | 26%      | 22.2%          | 98.0%            |
| PAE204922     | MAV106060       | 40%      | 9.8%           | 61.4%            |
| PAE204922     | MAV100149       | 59%      | 7.7%           | 91.4%            |
| PAE204922     | MAV100499       | 38%      | 81.6%          | 92.8%            |
| PAE204922     | MBV103935       | 37%      | 94.9%          | 92.3%            |
| PAE204922     | MLP101580       | 37%      | 94.9%          | 90.6%            |
| PAE204922     | MTU202530       | 37%      | 94.9%          | 92.3%            |
| PAE204922     | PAE204922       | 100%     | 100%           | 100%             |
| PAE204922     | PSY101029       | 68%      | 99.9%          | 99.9%            |
| PAE204937     | BPT103152       | 42%      | 94%            | 89.9%            |
| PAE204937     | BBU100202       | 28%      | 67.5%          | 92.3%            |
| PAE204937     | BFU112706       | 37%      | 91.2%          | 85.2%            |
| PAE204937     | BMA101625       | 35%      | 94.5%          | 92.7%            |
| PAE204937     | EBC103626       | 44%      | 98%            | 96.4%            |
| PAE204937     | ECO104064       | 44%      | 99.5%          | 98.6%            |
| PAE204937     | HIN100145       | 41%      | 90.8%          | 86.3%            |
| PAE204937     | KPN302190       | 46%      | 95.2%          | 89.8%            |
| PAE204937     | LPN101026       | 46%      | 94.2%          | 93.9%            |
| PAE204937     | PMU100117       | 40%      | 89.2%          | 85.7%            |
| PAE204937     | PRT105824       | 45%      | 91.2%          | 87.3%            |
| PAE204937     | PAE204937       | 100%     | 100%           | 100%             |
| PAE204937     | PPU106672       | 77%      | 100%           | 100%             |
| PAE204937     | PSY101054       | 74%      | 87.5%          | 100%             |
| PAE204937     | SPA100931       | 47%      | 91%            | 88.0%            |
| PAE204937     | STY103753       | 44%      | 99.5%          | 98.6%            |
| PAE204937     | STM103534       | 45%      | 99.5%          | 98.6%            |
| PAE204937     | SHA102135       | 32%      | 12.5%          | 8.8%             |
| PAE204937     | SMU101471       | 25%      | 52.2%          | 70.8%            |
| PAE204937     | SPN401959       | 22%      | 65.8%          | 89.6%            |
| PAE204937     | SPY201451       | 22%      | 65.5%          | 89.2%            |
| PAE204937     | TPA100112       | 31%      | 72.5%          | 92.4%            |
| PAE204937     | VCH100344       | 46%      | 92.8%          | 92.9%            |
| PAE204937     | YPS003528       | 42%      | 100%           | 99.8%            |
| PAE204953     | ABA102900       | 23%      | 88.3%          | 67.9%            |
| PAE204953     | PAE204953       | 100%     | 100%           | 100%             |
| PAE204953     | PSY101006       | 51%      | 99.6%          | 85.8%            |
| PAE204992     | ABA100900       | 45%      | 96.7%          | 99.0%            |
| PAE204992     | BAN102901       | 32%      | 89.4%          | 93.2%            |
| PAE204992     | BAN110260       | 35%      | 95.4%          | 99.7%            |
| PAE204992     | BFR101295       | 36%      | 81.9%          | 94.3%            |
| PAE204992     | BPT101485       | 40%      | 98.5%          | 98.8%            |
| PAE204992     | BCE103738       | 41%      | 96.4%          | 95.8%            |
| PAE204992     | BFU100868       | 41%      | 96.8%          | 96.3%            |
| PAE204992     | BMA104055       | 40%      | 96.4%          | 95.8%            |
| PAE204992     | CJU100742       | 31%      | 94.0%          | 95.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE204992     | CPN200336       | 30%      | 83.7%          | 76.3%            |
| PAE204992     | CTR200528       | 29%      | 85.2%          | 79.3%            |
| PAE204992     | CAC102735       | 35%      | 85.4%          | 73.2%            |
| PAE204992     | CBO102407       | 31%      | 94.4%          | 91.9%            |
| PAE204992     | CDF101733       | 35%      | 94.4%          | 98.4%            |
| PAE204992     | CDP100583       | 34%      | 81.9%          | 81.4%            |
| PAE204992     | EBC101303       | 34%      | 68.3%          | 91.4%            |
| PAE204992     | EFA200880       | 33%      | 95.0%          | 98.4%            |
| PAE204992     | EFM200467       | 35%      | 83.6%          | 86.4%            |
| PAE204992     | ECO100889       | 40%      | 96.5%          | 98.1%            |
| PAE204992     | HIN100059       | 43%      | 96.5%          | 97.4%            |
| PAE204992     | HPY101065       | 30%      | 92.9%          | 99.8%            |
| PAE204992     | KPN302628       | 40%      | 97.2%          | 98.8%            |
| PAE204992     | LPN102366       | 62%      | 37.1%          | 100%             |
| PAE204992     | LMO100572       | 31%      | 95.2%          | 94.2%            |
| PAE204992     | MCA103023       | 37%      | 96.4%          | 94.0%            |
| PAE204992     | MBV103347       | 35%      | 78.6%          | 77.2%            |
| PAE204992     | MTU201255       | 35%      | 78.6%          | 75.1%            |
| PAE204992     | MGE100015       | 32%      | 78.6%          | 81.8%            |
| PAE204992     | MPN100135       | 28%      | 96.7%          | 94.5%            |
| PAE204992     | NGO101390       | 35%      | 95.2%          | 95.0%            |
| PAE204992     | NME200496       | 35%      | 95.2%          | 95.2%            |
| PAE204992     | PMU100861       | 41%      | 97.0%          | 98.8%            |
| PAE204992     | PRT100905       | 45%      | 84.6%          | 90.8%            |
| PAE204992     | PAE204992       | 100%     | 100%           | 100%             |
| PAE204992     | PPU104724       | 86%      | 98.2%          | 98.0%            |
| PAE204992     | PSY101065       | 85%      | 92.0%          | 99.5%            |
| PAE204992     | SPA102062       | 39%      | 96.5%          | 98.1%            |
| PAE204992     | STY102916       | 40%      | 96.5%          | 98.1%            |
| PAE204992     | STM103304       | 40%      | 96.5%          | 98.1%            |
| PAE204992     | SAU801866       | 36%      | 95.4%          | 99.0%            |
| PAE204992     | SEP200496       | 34%      | 95.4%          | 99.0%            |
| PAE204992     | SHA100848       | 35%      | 95.4%          | 99.0%            |
| PAE204992     | SMU100890       | 32%      | 95.5%          | 97.6%            |
| PAE204992     | SPN401654       | 31%      | 95.4%          | 96.4%            |
| PAE204992     | SPY200167       | 30%      | 84.7%          | 90.1%            |
| PAE204992     | UUR100058       | 27%      | 82.1%          | 85.5%            |
| PAE204992     | VCH101848       | 44%      | 97.2%          | 98.8%            |
| PAE204992     | YPS001285       | 41%      | 96.5%          | 98.1%            |
| PAE205001     | BFR100206       | 25%      | 31.9%          | 63.3%            |
| PAE205001     | PAE205001       | 100%     | 100%           | 100%             |
| PAE205001     | PPU107412       | 67%      | 99.2%          | 100%             |
| PAE205001     | PSY103587       | 68%      | 99.4%          | 100%             |
| PAE205019     | BAN110014       | 36%      | 95.0%          | 94.0%            |
| PAE205019     | BAN108152       | 44%      | 97.1%          | 81.3%            |
| PAE205019     | PAE205019       | 100%     | 100%           | 100%             |
| PAE205019     | SEP201670       | 43%      | 93.3%          | 77.6%            |
| PAE205019     | SHA102287       | 43%      | 93.3%          | 80.3%            |
| PAE205025     | ABA101954       | 42%      | 90.2%          | 94.9%            |
| PAE205025     | BCE108996       | 44%      | 86.3%          | 100%             |
| PAE205025     | BFU105067       | 50%      | 88.6%          | 95.8%            |
| PAE205025     | BMA101787       | 48%      | 94.7%          | 79.4%            |
| PAE205025     | EBC103468       | 64%      | 92.5%          | 97.1%            |
| PAE205025     | ECO101566       | 64%      | 90.4%          | 95.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE205025     | KPN300303       | 67%      | 24.4%          | 89.2%            |
| PAE205025     | KPN306960       | 65%      | 90.0%          | 95.0%            |
| PAE205025     | MAV102901       | 39%      | 87.2%          | 92.3%            |
| PAE205025     | PRT105954       | 59%      | 89.3%          | 95.1%            |
| PAE205025     | PAE205025       | 100%     | 100%           | 100%             |
| PAE205025     | PPU102041       | 77%      | 89.5%          | 92.2%            |
| PAE205025     | PSY103709       | 73%      | 90.0%          | 94.3%            |
| PAE205025     | SPA101239       | 59%      | 69.6%          | 92.7%            |
| PAE205025     | STY104352       | 65%      | 88.4%          | 92.8%            |
| PAE205025     | STM104155       | 34%      | 85.6%          | 93.0%            |
| PAE205025     | SEP201779       | 20%      | 84.7%          | 95.1%            |
| PAE205025     | SMU100254       | 23%      | 85.4%          | 95.2%            |
| PAE205025     | SPN400875       | 23%      | 85.4%          | 94.7%            |
| PAE205025     | VCH101594       | 33%      | 84.5%          | 92.6%            |
| PAE205025     | YPS001759       | 61%      | 76.3%          | 89.8%            |
| PAE205031     | ABA100013       | 76%      | 4.6%           | 100%             |
| PAE205031     | ABA104125       | 68%      | 99.8%          | 99.1%            |
| PAE205031     | BAN104217       | 25%      | 79.9%          | 99.1%            |
| PAE205031     | BAN108345       | 28%      | 93.5%          | 92.7%            |
| PAE205031     | BFR101235       | 23%      | 7.8%           | 7.9%             |
| PAE205031     | BPT102078       | 42%      | 99.8%          | 74.8%            |
| PAE205031     | BCE113920       | 42%      | 98.6%          | 73.8%            |
| PAE205031     | BFU100198       | 39%      | 34.3%          | 99.8%            |
| PAE205031     | BMA104976       | 42%      | 98.6%          | 97.6%            |
| PAE205031     | CJU100007       | 42%      | 98.7%          | 97.2%            |
| PAE205031     | CAC101843       | 44%      | 99.1%          | 98.5%            |
| PAE205031     | EBC102948       | 61%      | 99.2%          | 98.1%            |
| PAE205031     | ECO103142       | 61%      | 99.2%          | 96.9%            |
| PAE205031     | KPN301995       | 61%      | 99.2%          | 98.9%            |
| PAE205031     | LMO100872       | 43%      | 98.8%          | 96.7%            |
| PAE205031     | MAV104920       | 43%      | 98.9%          | 97.8%            |
| PAE205031     | MBV101946       | 43%      | 98.9%          | 97.7%            |
| PAE205031     | MLP100042       | 43%      | 98.9%          | 97.8%            |
| PAE205031     | MTU203804       | 43%      | 98.9%          | 97.8%            |
| PAE205031     | PRT105261       | 58%      | 99.5%          | 99.2%            |
| PAE205031     | PAE205031       | 100%     | 100%           | 100%             |
| PAE205031     | PPU102045       | 86%      | 99.2%          | 100%             |
| PAE205031     | PSY103729       | 87%      | 100%           | 100%             |
| PAE205031     | SPA102415       | 55%      | 61.6%          | 100%             |
| PAE205031     | STY101531       | 60%      | 99.2%          | 98.9%            |
| PAE205031     | STM101808       | 61%      | 99.2%          | 98.9%            |
| PAE205031     | SAU800472       | 41%      | 97.9%          | 95.7%            |
| PAE205031     | SEP201790       | 44%      | 60.2%          | 95.3%            |
| PAE205031     | SHA102040       | 41%      | 98.9%          | 96.6%            |
| PAE205031     | SMU100695       | 42%      | 98.6%          | 95.7%            |
| PAE205031     | VCH102341       | 61%      | 99.2%          | 98.9%            |
| PAE205031     | YPS002267       | 61%      | 99.2%          | 95.7%            |
| PAE205071     | CJU100756       | 35%      | 83.8%          | 86.7%            |
| PAE205071     | CTR200650       | 26%      | 83.1%          | 84.6%            |
| PAE205071     | CBO101539       | 30%      | 77.4%          | 94.9%            |
| PAE205071     | PAE205071       | 100%     | 100%           | 100%             |
| PAE205071     | PPU109276       | 83%      | 100%           | 99.6%            |
| PAE205071     | SPN401250       | 29%      | 96.6%          | 94.5%            |
| PAE205071     | VCH103755       | 34%      | 92.9%          | 90.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE205072     | EBC100031       | 89%      | 8.9%           | 90.6%            |
| PAE205072     | EBC101605       | 77%      | 62.6%          | 99.8%            |
| PAE205072     | ECO101022       | 65%      | 93.7%          | 95.7%            |
| PAE205072     | KPN302507       | 70%      | 71.5%          | 98.3%            |
| PAE205072     | PAE205072       | 100%     | 100%           | 100%             |
| PAE205072     | PPU109277       | 77%      | 94.1%          | 99.4%            |
| PAE205072     | PSY103622       | 75%      | 82.1%          | 100%             |
| PAE205072     | SPA100038       | 83%      | 36.2%          | 100%             |
| PAE205072     | STY102457       | 64%      | 95.1%          | 97.4%            |
| PAE205072     | STM102277       | 64%      | 95.1%          | 97.4%            |
| PAE205072     | VCH101268       | 41%      | 64.2%          | 76.7%            |
| PAE205083     | BFU101680       | 30%      | 86.7%          | 78.0%            |
| PAE205083     | BFU101681       | 31%      | 86.7%          | 76.0%            |
| PAE205083     | BFU100476       | 31%      | 91.5%          | 100%             |
| PAE205083     | CJU100381       | 29%      | 51.9%          | 48.3%            |
| PAE205083     | KPN205131       | 42%      | 11.3%          | 57.9%            |
| PAE205083     | PAE205081       | 77%      | 72.0%          | 99.1%            |
| PAE205083     | PAE205082       | 76%      | 96.6%          | 97.6%            |
| PAE205083     | PAE205083       | 100%     | 100%           | 100%             |
| PAE205188     | ABA104674       | 41%      | 94.6%          | 97.9%            |
| PAE205188     | BAN105387       | 25%      | 88.2%          | 95.7%            |
| PAE205188     | BAN111644       | 27%      | 90.9%          | 94.8%            |
| PAE205188     | BPT101679       | 42%      | 94.9%          | 95.1%            |
| PAE205188     | BCE103411       | 42%      | 73.1%          | 100%             |
| PAE205188     | BFU102353       | 44%      | 97.0%          | 96.8%            |
| PAE205188     | BMA102197       | 42%      | 99.0%          | 99.7%            |
| PAE205188     | CAC102483       | 21%      | 85.9%          | 88.6%            |
| PAE205188     | CBO100978       | 22%      | 85.9%          | 88.5%            |
| PAE205188     | CDF103810       | 22%      | 89.9%          | 93.8%            |
| PAE205188     | EBC103852       | 40%      | 98.3%          | 98.3%            |
| PAE205188     | EFA201930       | 23%      | 89.9%          | 91.6%            |
| PAE205188     | ECO103324       | 41%      | 98.3%          | 98.3%            |
| PAE205188     | HIN100790       | 37%      | 94.3%          | 94.9%            |
| PAE205188     | KPN306988       | 41%      | 98.3%          | 98.3%            |
| PAE205188     | LPN100616       | 38%      | 95.6%          | 99.3%            |
| PAE205188     | LMO102519       | 23%      | 81.8%          | 85.4%            |
| PAE205188     | MCA101414       | 40%      | 94.6%          | 93.9%            |
| PAE205188     | NGO100527       | 41%      | 95.6%          | 92.7%            |
| PAE205188     | NME200412       | 42%      | 95.6%          | 85.4%            |
| PAE205188     | PMU101547       | 39%      | 94.3%          | 96.5%            |
| PAE205188     | PRT102606       | 43%      | 94.3%          | 95.9%            |
| PAE205188     | PAE205188       | 100%     | 100%           | 100%             |
| PAE205188     | PPU109985       | 65%      | 99.0%          | 98.0%            |
| PAE205188     | PSY103060       | 72%      | 98.7%          | 89.3%            |
| PAE205188     | SPA102217       | 41%      | 98.3%          | 98.3%            |
| PAE205188     | STY101381       | 40%      | 98.3%          | 99.0%            |
| PAE205188     | STM102899       | 41%      | 98.3%          | 98.3%            |
| PAE205188     | SAU800512       | 21%      | 94.3%          | 97.3%            |
| PAE205188     | SEP201845       | 20%      | 95.3%          | 98.3%            |
| PAE205188     | SHA100697       | 21%      | 96.0%          | 98.6%            |
| PAE205188     | SMU101402       | 25%      | 80.5%          | 84.1%            |
| PAE205188     | SPN401990       | 25%      | 89.6%          | 93.4%            |
| PAE205188     | SPY200090       | 23%      | 90.2%          | 94.1%            |
| PAE205188     | VCH102697       | 41%      | 95.3%          | 94.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE205188     | YPS001563       | 45%      | 100%           | 100%             |
| PAE205194     | ABA100490       | 33%      | 96.4%          | 88.0%            |
| PAE205194     | BPT100673       | 32%      | 78.8%          | 73.0%            |
| PAE205194     | BCE102445       | 34%      | 96.1%          | 100%             |
| PAE205194     | BFU105280       | 32%      | 96.4%          | 98.6%            |
| PAE205194     | BFU102148       | 33%      | 96.4%          | 94.0%            |
| PAE205194     | BMA104486       | 32%      | 96.1%          | 95.2%            |
| PAE205194     | EBC103848       | 32%      | 97.9%          | 98.6%            |
| PAE205194     | ECO103327       | 33%      | 97.9%          | 97.3%            |
| PAE205194     | KPN303187       | 34%      | 98.9%          | 98.0%            |
| PAE205194     | MCA102864       | 34%      | 80.4%          | 74.6%            |
| PAE205194     | PRT102837       | 30%      | 96.4%          | 96.6%            |
| PAE205194     | PAE205194       | 100%     | 100%           | 100%             |
| PAE205194     | PPU110005       | 79%      | 99.8%          | 99.8%            |
| PAE205194     | PSY103047       | 77%      | 95.7%          | 99.8%            |
| PAE205194     | SPA103964       | 34%      | 44.4%          | 100%             |
| PAE205194     | STY101367       | 32%      | 99.5%          | 98.9%            |
| PAE205194     | VCH102675       | 37%      | 78.1%          | 77.6%            |
| PAE205194     | YPS001561       | 32%      | 98.4%          | 97.8%            |
| PAE205202     | BFR101794       | 22%      | 97.4%          | 64.0%            |
| PAE205202     | BCE100458       | 28%      | 97.4%          | 45.5%            |
| PAE205202     | CJU101119       | 47%      | 97.2%          | 33.1%            |
| PAE205202     | CPN200065       | 44%      | 37.2%          | 98.6%            |
| PAE205202     | CTR200064       | 43%      | 35.8%          | 97.2%            |
| PAE205202     | CAC101744       | 26%      | 96.9%          | 45.8%            |
| PAE205202     | CDP101483       | 45%      | 95.7%          | 30.2%            |
| PAE205202     | EFA200337       | 31%      | 37.4%          | 4.7%             |
| PAE205202     | HIN101571       | 54%      | 99.5%          | 99.8%            |
| PAE205202     | HPY101470       | 38%      | 96.2%          | 29.3%            |
| PAE205202     | LPN101701       | 46%      | 98.6%          | 99.8%            |
| PAE205202     | MCA100847       | 39%      | 57.8%          | 15.5%            |
| PAE205202     | MBV101495       | 37%      | 57.8%          | 15.2%            |
| PAE205202     | MTU202247       | 37%      | 57.8%          | 15.2%            |
| PAE205202     | NGO100709       | 37%      | 56.9%          | 16.8%            |
| PAE205202     | NME201949       | 37%      | 56.9%          | 16.8%            |
| PAE205202     | PMU100249       | 54%      | 99.5%          | 99.8%            |
| PAE205202     | PAE205202       | 100%     | 100%           | 100%             |
| PAE205202     | VCH102406       | 56%      | 99.5%          | 96.5%            |
| PAE205204     | ABA105822       | 27%      | 67.8%          | 62.0%            |
| PAE205204     | BAN106815       | 41%      | 10.1%          | 22.9%            |
| PAE205204     | BPT104658       | 35%      | 39.0%          | 97.6%            |
| PAE205204     | BCE107366       | 43%      | 36.6%          | 81.7%            |
| PAE205204     | BFU112174       | 36%      | 44.7%          | 89.1%            |
| PAE205204     | BMA105025       | 43%      | 44.7%          | 96.2%            |
| PAE205204     | EBC101434       | 33%      | 18.3%          | 98.8%            |
| PAE205204     | ECO102988       | 29%      | 89.4%          | 89.4%            |
| PAE205204     | HIN101565       | 32%      | 44.7%          | 55.4%            |
| PAE205204     | HPY200007       | 35%      | 15.4%          | 10.2%            |
| PAE205204     | KPN300455       | 27%      | 30.6%          | 78.5%            |
| PAE205204     | KPN308756       | 31%      | 88.8%          | 88.9%            |
| PAE205204     | PMU100251       | 36%      | 46.5%          | 57.6%            |
| PAE205204     | PRT102174       | 28%      | 74.7%          | 99.3%            |
| PAE205204     | PAE205204       | 100%     | 100%           | 100%             |
| PAE205204     | PPU102160       | 63%      | 100%           | 99.8%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE205204     | PSY103030       | 67%      | 100%           | 96.4%            |
| PAE205204     | SPA100425       | 26%      | 89.4%          | 89.4%            |
| PAE205204     | STY100794       | 28%      | 89.4%          | 89.4%            |
| PAE205204     | VCH102404       | 30%      | 85.9%          | 84.8%            |
| PAE205204     | YPS001980       | 28%      | 88.8%          | 88.7%            |
| PAE205205     | ABA104023       | 55%      | 96.1%          | 97.6%            |
| PAE205205     | EFA202145       | 33%      | 44.9%          | 81.4%            |
| PAE205205     | PAE205205       | 100%     | 100%           | 100%             |
| PAE205205     | PPU102169       | 56%      | 96.8%          | 98.2%            |
| PAE205205     | PSY103027       | 80%      | 100%           | 100%             |
| PAE205205     | SMU100546       | 33%      | 43.9%          | 81.5%            |
| PAE205243     | BPT104464       | 29%      | 34.3%          | 79.0%            |
| PAE205243     | BCE109471       | 28%      | 34.8%          | 79.1%            |
| PAE205243     | BFU113717       | 28%      | 32.5%          | 74.7%            |
| PAE205243     | BMA102384       | 27%      | 32.2%          | 74.3%            |
| PAE205243     | CJU101563       | 26%      | 9.2%           | 35.3%            |
| PAE205243     | EBC100769       | 28%      | 31.9%          | 73.3%            |
| PAE205243     | ECO100991       | 29%      | 22.4%          | 58.4%            |
| PAE205243     | KPN306701       | 27%      | 31.9%          | 73.6%            |
| PAE205243     | LMO100238       | 26%      | 45.5%          | 58.7%            |
| PAE205243     | MAV107152       | 27%      | 38.4%          | 80.8%            |
| PAE205243     | MBV104772       | 28%      | 17.4%          | 26.3%            |
| PAE205243     | MTU410483       | 28%      | 17.4%          | 25.1%            |
| PAE205243     | NGO101920       | 29%      | 32.2%          | 73.7%            |
| PAE205243     | NME200263       | 30%      | 32.2%          | 73.5%            |
| PAE205243     | PMU100453       | 28%      | 53.4%          | 54.7%            |
| PAE205243     | PAE205243       | 100%     | 100%           | 100%             |
| PAE205243     | PPU109970       | 69%      | 98.9%          | 97.5%            |
| PAE205243     | PSY101259       | 71%      | 99.1%          | 99.2%            |
| PAE205243     | SAU800345       | 26%      | 50.6%          | 54.6%            |
| PAE205243     | SHA101901       | 24%      | 54.0%          | 57.5%            |
| PAE205243     | TPA100962       | 30%      | 54.5%          | 80.4%            |
| PAE205243     | YPS002530       | 29%      | 53.6%          | 54.8%            |
| PAE205294     | PAE205294       | 100%     | 100%           | 100%             |
| PAE205294     | PPU103162       | 69%      | 99.4%          | 96.4%            |
| PAE205294     | PSY101172       | 70%      | 98.7%          | 95.2%            |
| PAE205311     | ABA103779       | 77%      | 98.7%          | 98.7%            |
| PAE205311     | BAN102385       | 40%      | 73.1%          | 88.7%            |
| PAE205311     | BFR100362       | 41%      | 96.2%          | 87.2%            |
| PAE205311     | BPT102361       | 78%      | 97.4%          | 97.4%            |
| PAE205311     | BBU100349       | 34%      | 87.2%          | 88.0%            |
| PAE205311     | BCE112085       | 76%      | 97.4%          | 98.7%            |
| PAE205311     | BFU101231       | 76%      | 97.4%          | 98.7%            |
| PAE205311     | BMA105211       | 76%      | 97.4%          | 98.7%            |
| PAE205311     | CJU100415       | 51%      | 79.5%          | 95.3%            |
| PAE205311     | CPN200424       | 38%      | 100%           | 100%             |
| PAE205311     | CTR200355       | 32%      | 96.2%          | 98.9%            |
| PAE205311     | CAC102140       | 34%      | 62.8%          | 77.8%            |
| PAE205311     | CBO103664       | 47%      | 43.6%          | 54.0%            |
| PAE205311     | CDF103637       | 34%      | 62.8%          | 79.0%            |
| PAE205311     | CDP102158       | 51%      | 98.7%          | 88.5%            |
| PAE205311     | EBC103419       | 77%      | 84.6%          | 100%             |
| PAE205311     | EFA201573       | 42%      | 60.3%          | 75.8%            |
| PAE205311     | EFM101167       | 44%      | 60.3%          | 75.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE205311     | ECO103559       | 82%      | 100%           | 100%             |
| PAE205311     | HIN100931       | 79%      | 98.7%          | 98.7%            |
| PAE205311     | HPY100486       | 39%      | 78.2%          | 96.8%            |
| PAE205311     | KPN301578       | 82%      | 100%           | 100%             |
| PAE205311     | LPN101298       | 71%      | 98.7%          | 98.7%            |
| PAE205311     | LMO101238       | 33%      | 73.1%          | 88.7%            |
| PAE205311     | MCA101216       | 84%      | 98.7%          | 98.7%            |
| PAE205311     | MAV102809       | 51%      | 98.7%          | 87.5%            |
| PAE205311     | MBV100101       | 50%      | 98.7%          | 98.7%            |
| PAE205311     | MTU202025       | 51%      | 98.7%          | 98.7%            |
| PAE205311     | MGE100436       | 35%      | 79.5%          | 95.3%            |
| PAE205311     | MPN100218       | 34%      | 78.2%          | 92.3%            |
| PAE205311     | NGO101643       | 73%      | 97.4%          | 98.7%            |
| PAE205311     | NME202003       | 73%      | 97.4%          | 98.7%            |
| PAE205311     | PMU101151       | 80%      | 98.7%          | 98.7%            |
| PAE205311     | PRT106105       | 83%      | 100%           | 100%             |
| PAE205311     | PAE205311       | 100%     | 100%           | 100%             |
| PAE205311     | PPU101950       | 90%      | 98.7%          | 98.7%            |
| PAE205311     | PSY101861       | 90%      | 97.4%          | 98.7%            |
| PAE205311     | SPA100825       | 83%      | 100%           | 100%             |
| PAE205311     | STY104568       | 83%      | 100%           | 100%             |
| PAE205311     | SAU801224       | 40%      | 73.1%          | 88.7%            |
| PAE205311     | SEP201507       | 38%      | 73.1%          | 88.7%            |
| PAE205311     | SHA100085       | 42%      | 73.1%          | 88.7%            |
| PAE205311     | SMU103046       | 55%      | 43.6%          | 54.8%            |
| PAE205311     | SPN400398       | 55%      | 43.6%          | 54.8%            |
| PAE205311     | SPY201454       | 44%      | 60.3%          | 75.8%            |
| PAE205311     | TPA100358       | 29%      | 98.7%          | 98.7%            |
| PAE205311     | UUR100210       | 39%      | 84.6%          | 100%             |
| PAE205311     | VCH100216       | 78%      | 97.4%          | 97.4%            |
| PAE205311     | YPS001450       | 78%      | 100%           | 100%             |
| PAE205342     | ABA105599       | 28%      | 94.6%          | 76.1%            |
| PAE205342     | PAE205342       | 100%     | 100%           | 100%             |
| PAE205342     | PPU102173       | 73%      | 94.6%          | 99.2%            |
| PAE205342     | PSY103222       | 66%      | 95.4%          | 68.1%            |
| PAE205383     | BFU109591       | 50%      | 99.7%          | 81.8%            |
| PAE205383     | PAE205383       | 100%     | 100%           | 100%             |
| PAE205383     | PPU100194       | 57%      | 96.5%          | 96.5%            |
| PAE205388     | BAN103070       | 37%      | 89.1%          | 98.6%            |
| PAE205388     | BPT101711       | 75%      | 92.2%          | 92.2%            |
| PAE205388     | BFU105977       | 79%      | 94.7%          | 88.6%            |
| PAE205388     | EFA201106       | 22%      | 42%            | 52.0%            |
| PAE205388     | KPN304983       | 74%      | 91.3%          | 98.3%            |
| PAE205388     | PAE205388       | 100%     | 100%           | 100%             |
| PAE205388     | PPU110258       | 79%      | 92.7%          | 95.0%            |
| PAE205430     | BFR101228       | 28%      | 66.7%          | 73.1%            |
| PAE205430     | BFR102053       | 26%      | 78.4%          | 90.0%            |
| PAE205430     | BPT100114       | 35%      | 71.0%          | 88.8%            |
| PAE205430     | BCE108025       | 25%      | 42.7%          | 72.3%            |
| PAE205430     | BFU101321       | 23%      | 25.9%          | 46.4%            |
| PAE205430     | BFU101014       | 25%      | 22.1%          | 41.3%            |
| PAE205430     | BFU106568       | 25%      | 26.7%          | 49.7%            |
| PAE205430     | CJU100863       | 28%      | 97.4%          | 98.0%            |
| PAE205430     | CDP101004       | 52%      | 73.0%          | 90.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE205430     | EFA200701       | 56%      | 72.8%          | 95.7%            |
| PAE205430     | EFM101204       | 34%      | 94.6%          | 92.0%            |
| PAE205430     | KPN305274       | 49%      | 98.0%          | 99.3%            |
| PAE205430     | LPN101609       | 59%      | 98.4%          | 99.2%            |
| PAE205430     | PMU101422       | 50%      | 99.3%          | 99.8%            |
| PAE205430     | PAE205430       | 100%     | 100%           | 100%             |
| PAE205430     | PPU103638       | 87%      | 99.0%          | 99.8%            |
| PAE205430     | PSY103300       | 86%      | 98.8%          | 99.7%            |
| PAE205430     | SPA103297       | 48%      | 96.0%          | 97.3%            |
| PAE205430     | STY101127       | 49%      | 98.0%          | 99.3%            |
| PAE205430     | STY104809       | 49%      | 98.0%          | 99.3%            |
| PAE205430     | SAU401674       | 37%      | 97.9%          | 100%             |
| PAE205430     | SEP200837       | 36%      | 97.9%          | 100%             |
| PAE205430     | SHA101707       | 36%      | 97.9%          | 100%             |
| PAE205430     | SMU100161       | 54%      | 72.5%          | 95.7%            |
| PAE205430     | SPY200896       | 54%      | 72.0%          | 94.0%            |
| PAE205430     | TPA100055       | 50%      | 97.9%          | 98.8%            |
| PAE205430     | UUR100490       | 27%      | 12.4%          | 10.8%            |
| PAE205430     | VCH100540       | 49%      | 98.8%          | 99.5%            |
| PAE205431     | BFR11613        | 51%      | 96.0%          | 90.1%            |
| PAE205431     | BFR11898        | 49%      | 98.7%          | 92.6%            |
| PAE205431     | CJU100965       | 52%      | 98.5%          | 97.7%            |
| PAE205431     | CDF100269       | 49%      | 93.8%          | 39.5%            |
| PAE205431     | EFM102508       | 50%      | 75.4%          | 99.7%            |
| PAE205431     | LPN100100       | 62%      | 99.4%          | 99.6%            |
| PAE205431     | MAV103158       | 47%      | 94.5%          | 39.9%            |
| PAE205431     | MBV103377       | 46%      | 94.5%          | 39.9%            |
| PAE205431     | MTU202929       | 46%      | 94.5%          | 39.9%            |
| PAE205431     | PAE205431       | 100%     | 100%           | 100%             |
| PAE205431     | PPU102301       | 92%      | 100%           | 100%             |
| PAE205431     | PSY103302       | 92%      | 76.4%          | 100%             |
| PAE205431     | SAU801526       | 54%      | 93.6%          | 98.4%            |
| PAE205431     | SEP200908       | 54%      | 93.6%          | 98.2%            |
| PAE205431     | SHA100988       | 54%      | 93.6%          | 98.4%            |
| PAE205431     | SMU100533       | 54%      | 92.1%          | 97.1%            |
| PAE205438     | BAN105739       | 30%      | 76.4%          | 75.0%            |
| PAE205438     | BAN105118       | 38%      | 98.4%          | 98.0%            |
| PAE205438     | BFR10181        | 39%      | 91.9%          | 97.1%            |
| PAE205438     | BPT100444       | 47%      | 99.2%          | 96.7%            |
| PAE205438     | BCE114095       | 48%      | 86.8%          | 100%             |
| PAE205438     | BFU114667       | 46%      | 99.0%          | 99.5%            |
| PAE205438     | BMA108211       | 45%      | 99.0%          | 99.5%            |
| PAE205438     | CJU101027       | 33%      | 96.6%          | 97.4%            |
| PAE205438     | CPN201081       | 38%      | 87.8%          | 99.5%            |
| PAE205438     | CTR200887       | 37%      | 87.9%          | 100%             |
| PAE205438     | CAC100746       | 37%      | 98.5%          | 99.2%            |
| PAE205438     | CBO101783       | 38%      | 99.0%          | 99.7%            |
| PAE205438     | CDF102800       | 37%      | 100%           | 99.7%            |
| PAE205438     | CDP100108       | 38%      | 99.0%          | 94.6%            |
| PAE205438     | EBC101111       | 67%      | 52.7%          | 98.5%            |
| PAE205438     | EFA201050       | 38%      | 99.0%          | 99.2%            |
| PAE205438     | EFM100885       | 39%      | 96.4%          | 99.2%            |
| PAE205438     | ECO103725       | 64%      | 99.6%          | 99.9%            |
| PAE205438     | HIN101161       | 55%      | 99.3%          | 99.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE205438     | HPY101457       | 35%      | 95.9%          | 95.3%            |
| PAE205438     | KPN303539       | 63%      | 99.6%          | 99.6%            |
| PAE205438     | LPN100538       | 55%      | 73.1%          | 100%             |
| PAE205438     | LMO100030       | 39%      | 98.8%          | 99.0%            |
| PAE205438     | MAV107704       | 40%      | 99.0%          | 97.9%            |
| PAE205438     | MBV101967       | 41%      | 99.0%          | 97.7%            |
| PAE205438     | MLP100111       | 39%      | 99.9%          | 98.7%            |
| PAE205438     | MTU200940       | 41%      | 99.0%          | 97.7%            |
| PAE205438     | NGO100682       | 46%      | 99.0%          | 98.8%            |
| PAE205438     | NME200026       | 46%      | 99.0%          | 98.8%            |
| PAE205438     | PMU100411       | 57%      | 99.6%          | 99.7%            |
| PAE205438     | PRT102802       | 62%      | 99.3%          | 99.9%            |
| PAE205438     | PAE205438       | 100%     | 100%           | 100%             |
| PAE205438     | PPU102313       | 83%      | 99.7%          | 99.6%            |
| PAE205438     | PSY103224       | 84%      | 94.6%          | 100%             |
| PAE205438     | SPA101953       | 61%      | 71.2%          | 100%             |
| PAE205438     | STY102029       | 64%      | 99.6%          | 99.9%            |
| PAE205438     | STM101095       | 64%      | 99.6%          | 99.9%            |
| PAE205438     | SAU801905       | 38%      | 99.2%          | 99.5%            |
| PAE205438     | SEP200564       | 39%      | 99.0%          | 99.2%            |
| PAE205438     | SHA100319       | 39%      | 98.2%          | 100%             |
| PAE205438     | SMU100987       | 38%      | 98.8%          | 99.3%            |
| PAE205438     | SPN400995       | 38%      | 99.2%          | 99.6%            |
| PAE205438     | SPY200975       | 37%      | 98.8%          | 99.4%            |
| PAE205438     | UUR100506       | 31%      | 95.5%          | 96.0%            |
| PAE205438     | VCH100188       | 61%      | 99.3%          | 99.4%            |
| PAE205438     | YPS001400       | 64%      | 99.3%          | 99.6%            |
| PAE205473     | BAN109731       | 43%      | 38.4%          | 87.5%            |
| PAE205473     | BAN101242       | 43%      | 38.4%          | 88%              |
| PAE205473     | BFR104541       | 49%      | 99.8%          | 99.5%            |
| PAE205473     | BPT102405       | 78%      | 99.8%          | 99.8%            |
| PAE205473     | CAC102184       | 32%      | 47.9%          | 99.0%            |
| PAE205473     | CBO101470       | 34%      | 47.9%          | 95.5%            |
| PAE205473     | CDF103765       | 40%      | 37.2%          | 78.4%            |
| PAE205473     | EFA202052       | 27%      | 33.5%          | 57.0%            |
| PAE205473     | EFM101244       | 23%      | 33.0%          | 28.4%            |
| PAE205473     | ECO104218       | 25%      | 31.8%          | 75.8%            |
| PAE205473     | LPN103427       | 40%      | 99.8%          | 100%             |
| PAE205473     | MAV102021       | 21%      | 60.4%          | 86.6%            |
| PAE205473     | MLP100143       | 29%      | 34.2%          | 25.1%            |
| PAE205473     | PAE205473       | 100%     | 100%           | 100%             |
| PAE205473     | PPU102004       | 84%      | 100%           | 100%             |
| PAE205473     | PSY101204       | 82%      | 99.8%          | 98.8%            |
| PAE205473     | STY104427       | 24%      | 31.8%          | 75.8%            |
| PAE205473     | SAU603307       | 30%      | 22.7%          | 20.6%            |
| PAE205473     | SPN401045       | 25%      | 36.9%          | 28.2%            |
| PAE205473     | SPY200845       | 28%      | 30.3%          | 25.9%            |
| PAE205485     | BPT100924       | 33%      | 99.5%          | 97.9%            |
| PAE205485     | BFU105637       | 41%      | 100%           | 97.7%            |
| PAE205485     | BMA105160       | 40%      | 100%           | 81.1%            |
| PAE205485     | LPN103658       | 44%      | 100%           | 100%             |
| PAE205485     | MCA100137       | 43%      | 89.1%          | 85.2%            |
| PAE205485     | NGO101658       | 37%      | 97.5%          | 97.1%            |
| PAE205485     | NME200608       | 37%      | 97.5%          | 97.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE205485     | PAE205485       | 100%     | 100%           | 100%             |
| PAE205485     | PPU101987       | 76%      | 100%           | 100%             |
| PAE205485     | VCH100112       | 43%      | 97.5%          | 90.6%            |
| PAE205485     | YPS001996       | 40%      | 99.5%          | 98.1%            |
| PAE205488     | ABA100316       | 50%      | 99.6%          | 99.8%            |
| PAE205488     | BAN102267       | 38%      | 99.3%          | 99.4%            |
| PAE205488     | BFR100604       | 41%      | 99.5%          | 96.4%            |
| PAE205488     | BPT100256       | 53%      | 99.5%          | 99.6%            |
| PAE205488     | BBU100547       | 34%      | 99.5%          | 99.7%            |
| PAE205488     | BCE100474       | 56%      | 99.5%          | 98.8%            |
| PAE205488     | BFU105039       | 54%      | 99.5%          | 98.8%            |
| PAE205488     | BMA101951       | 55%      | 99.5%          | 98.8%            |
| PAE205488     | CJU100307       | 35%      | 99.2%          | 99.4%            |
| PAE205488     | CPN200133       | 34%      | 99.2%          | 99.5%            |
| PAE205488     | CTR200769       | 32%      | 99.2%          | 99.5%            |
| PAE205488     | CAC100704       | 36%      | 99.3%          | 99.5%            |
| PAE205488     | CBO101853       | 35%      | 99.9%          | 99.9%            |
| PAE205488     | CDF101827       | 35%      | 99.2%          | 99.3%            |
| PAE205488     | CDP100309       | 38%      | 99.3%          | 96.3%            |
| PAE205488     | EBC100966       | 60%      | 99.6%          | 100%             |
| PAE205488     | EFA200422       | 36%      | 99.9%          | 99.9%            |
| PAE205488     | EFM201199       | 37%      | 97.8%          | 99.0%            |
| PAE205488     | ECO103770       | 62%      | 99.8%          | 99.5%            |
| PAE205488     | HIN100836       | 58%      | 99.6%          | 99.2%            |
| PAE205488     | HPY101449       | 30%      | 99.8%          | 99.0%            |
| PAE205488     | KPN300745       | 64%      | 57.5%          | 99.2%            |
| PAE205488     | LPN100788       | 57%      | 99.6%          | 99.7%            |
| PAE205488     | LMO101445       | 37%      | 99.3%          | 99.5%            |
| PAE205488     | MCA101289       | 46%      | 99.9%          | 97.1%            |
| PAE205488     | MAV106573       | 37%      | 99.3%          | 96.3%            |
| PAE205488     | MBV101278       | 37%      | 99.3%          | 98.0%            |
| PAE205488     | MLP100854       | 36%      | 99.3%          | 97.9%            |
| PAE205488     | MTU201608       | 37%      | 99.3%          | 98.0%            |
| PAE205488     | MGE100267       | 31%      | 29.9%          | 94.2%            |
| PAE205488     | MPN100458       | 32%      | 29.6%          | 93.1%            |
| PAE205488     | NGO100131       | 52%      | 100%           | 100%             |
| PAE205488     | NME200430       | 52%      | 100%           | 100%             |
| PAE205488     | PMU101065       | 59%      | 100%           | 99.7%            |
| PAE205488     | PRT101197       | 60%      | 100%           | 97.9%            |
| PAE205488     | PAE205488       | 100%     | 100%           | 100%             |
| PAE205488     | PPU101981       | 80%      | 100%           | 100%             |
| PAE205488     | PSY103076       | 78%      | 100%           | 100%             |
| PAE205488     | SPA103897       | 60%      | 99.6%          | 99.2%            |
| PAE205488     | STY103444       | 60%      | 99.6%          | 99.2%            |
| PAE205488     | STM101492       | 60%      | 99.6%          | 99.2%            |
| PAE205488     | SAU801690       | 37%      | 99.3%          | 99.5%            |
| PAE205488     | SEP201683       | 36%      | 99.3%          | 99.5%            |
| PAE205488     | SHA100370       | 41%      | 54.3%          | 84.3%            |
| PAE205488     | SMU100004       | 38%      | 99.3%          | 99.2%            |
| PAE205488     | SPN400032       | 37%      | 99.9%          | 99.9%            |
| PAE205488     | SPY200140       | 38%      | 99.3%          | 99.2%            |
| PAE205488     | TPA100104       | 39%      | 8.8%           | 14.1%            |
| PAE205488     | UUR100418       | 31%      | 30.4%          | 96.5%            |
| PAE205488     | VCH100108       | 60%      | 99.6%          | 99.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE205488     | YPS001307       | 63%      | 100%           | 99.7%            |
| PAE205502     | BFU103019       | 31%      | 85.7%          | 83.5%            |
| PAE205502     | EBC100672       | 29%      | 89.9%          | 87.4%            |
| PAE205502     | EFM201317       | 25%      | 82.9%          | 84.9%            |
| PAE205502     | ECO100985       | 30%      | 90.3%          | 85.7%            |
| PAE205502     | KPN303620       | 30%      | 94.0%          | 91.5%            |
| PAE205502     | MAV108289       | 26%      | 79.3%          | 83.3%            |
| PAE205502     | PAE205502       | 100%     | 100%           | 100%             |
| PAE205502     | PSY104192       | 33%      | 85.3%          | 85.3%            |
| PAE205502     | SEP200584       | 27%      | 40.6%          | 47.8%            |
| PAE205558     | ABA100896       | 59%      | 97.7%          | 98.1%            |
| PAE205558     | BAN110643       | 50%      | 12.2%          | 91.4%            |
| PAE205558     | BAN104645       | 40%      | 95.4%          | 99.6%            |
| PAE205558     | BAN109357       | 53%      | 67.2%          | 81.9%            |
| PAE205558     | BAN103821       | 51%      | 95.4%          | 87.1%            |
| PAE205558     | BFR102668       | 36%      | 56.9%          | 92.5%            |
| PAE205558     | BFR10388        | 48%      | 96.2%          | 98.8%            |
| PAE205558     | BPT100038       | 60%      | 95.8%          | 91.6%            |
| PAE205558     | BBU100430       | 35%      | 95.4%          | 98.4%            |
| PAE205558     | BCE105454       | 57%      | 97.3%          | 98.5%            |
| PAE205558     | BFU108805       | 57%      | 100%           | 99.6%            |
| PAE205558     | BMA104267       | 57%      | 97.3%          | 99.6%            |
| PAE205558     | CJU100089       | 44%      | 93.9%          | 98.1%            |
| PAE205558     | CPN201047       | 32%      | 94.7%          | 97.3%            |
| PAE205558     | CTR200860       | 34%      | 94.7%          | 97.3%            |
| PAE205558     | CAC101710       | 46%      | 95.8%          | 99.6%            |
| PAE205558     | CBO102512       | 48%      | 95.8%          | 99.6%            |
| PAE205558     | CDF103409       | 47%      | 95.4%          | 97.3%            |
| PAE205558     | CDP101650       | 50%      | 93.9%          | 74.0%            |
| PAE205558     | EBC100300       | 23%      | 63.7%          | 38.2%            |
| PAE205558     | EFA200738       | 48%      | 96.6%          | 100%             |
| PAE205558     | EFM202398       | 50%      | 96.6%          | 99.2%            |
| PAE205558     | ECO102019       | 26%      | 59.9%          | 20.2%            |
| PAE205558     | HPY101122       | 42%      | 95.8%          | 99.2%            |
| PAE205558     | LPN102841       | 61%      | 96.6%          | 98.4%            |
| PAE205558     | LMO100835       | 51%      | 95.4%          | 98.8%            |
| PAE205558     | MCA101114       | 52%      | 96.9%          | 98.5%            |
| PAE205558     | MAV102095       | 47%      | 95.4%          | 72.5%            |
| PAE205558     | MBV106263       | 47%      | 97.7%          | 75.5%            |
| PAE205558     | MLP101600       | 48%      | 96.2%          | 72.6%            |
| PAE205558     | MTU203863       | 47%      | 97.7%          | 75.5%            |
| PAE205558     | MGE100480       | 29%      | 73.7%          | 74.7%            |
| PAE205558     | MPN100154       | 29%      | 73.7%          | 74.4%            |
| PAE205558     | NGO100785       | 58%      | 97.3%          | 99.2%            |
| PAE205558     | NME200071       | 59%      | 97.3%          | 99.2%            |
| PAE205558     | PAE205558       | 100%     | 100%           | 100%             |
| PAE205558     | PPU102168       | 83%      | 99.2%          | 98.9%            |
| PAE205558     | PSY103431       | 82%      | 86.6%          | 98.7%            |
| PAE205558     | STY103561       | 25%      | 63.7%          | 22.0%            |
| PAE205558     | TPA100269       | 45%      | 96.2%          | 98.4%            |
| PAE205558     | VCH102734       | 61%      | 96.6%          | 98.4%            |
| PAE205562     | ABA100998       | 55%      | 98.7%          | 98.9%            |
| PAE205562     | BAN111462       | 30%      | 98.9%          | 99.4%            |
| PAE205562     | BAN104510       | 37%      | 98.9%          | 99.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| PAE205562     | BFR11527        | 35%      | 98.9%          | 99.4%            |
| PAE205562     | BPT102869       | 54%      | 98.5%          | 98.0%            |
| PAE205562     | BBU100178       | 29%      | 98.9%          | 98.3%            |
| PAE205562     | BCE104176       | 53%      | 99.1%          | 98.9%            |
| PAE205562     | BFU101038       | 54%      | 99.1%          | 98.9%            |
| PAE205562     | BMA106211       | 53%      | 99.1%          | 98.9%            |
| PAE205562     | CJU100886       | 33%      | 99.1%          | 99.8%            |
| PAE205562     | CPN201012       | 38%      | 98.9%          | 99.1%            |
| PAE205562     | CTR200070       | 39%      | 98.9%          | 99.1%            |
| PAE205562     | CAC100805       | 35%      | 98.9%          | 99.1%            |
| PAE205562     | CBO101103       | 34%      | 98.9%          | 99.1%            |
| PAE205562     | CDF100515       | 42%      | 66.2%          | 95.3%            |
| PAE205562     | CDF102182       | 36%      | 98.9%          | 98.5%            |
| PAE205562     | EBC104229       | 66%      | 98.9%          | 99.1%            |
| PAE205562     | EFA200716       | 37%      | 100%           | 100%             |
| PAE205562     | EFM200971       | 37%      | 98.9%          | 92.9%            |
| PAE205562     | ECO103627       | 66%      | 98.9%          | 99.1%            |
| PAE205562     | HIN100983       | 64%      | 98.9%          | 97.6%            |
| PAE205562     | HPY101431       | 34%      | 98.9%          | 97.2%            |
| PAE205562     | KPN302217       | 67%      | 98.9%          | 99.1%            |
| PAE205562     | LMO101370       | 38%      | 98.9%          | 99.3%            |
| PAE205562     | MCA103209       | 50%      | 98.7%          | 98.1%            |
| PAE205562     | MGE100008       | 28%      | 98.5%          | 98.6%            |
| PAE205562     | MPN100146       | 29%      | 98.9%          | 99.1%            |
| PAE205562     | NGO100139       | 55%      | 98.7%          | 98.7%            |
| PAE205562     | NME200423       | 55%      | 98.7%          | 98.7%            |
| PAE205562     | PMU101166       | 65%      | 98.9%          | 96.8%            |
| PAE205562     | PRT100712       | 64%      | 99.3%          | 99.6%            |
| PAE205562     | PAE205562       | 100%     | 100%           | 100%             |
| PAE205562     | PPU102190       | 82%      | 94.7%          | 100%             |
| PAE205562     | PSY103429       | 84%      | 100%           | 97.0%            |
| PAE205562     | SPA101312       | 60%      | 98.9%          | 99.1%            |
| PAE205562     | STY103943       | 66%      | 98.9%          | 99.1%            |
| PAE205562     | STM100544       | 66%      | 98.9%          | 99.1%            |
| PAE205562     | SAU802712       | 33%      | 98.9%          | 99.3%            |
| PAE205562     | SEP201292       | 33%      | 98.9%          | 99.3%            |
| PAE205562     | SHA101595       | 33%      | 98.9%          | 100%             |
| PAE205562     | SMU100160       | 36%      | 98.9%          | 98.7%            |
| PAE205562     | SPN400920       | 37%      | 98.9%          | 94.2%            |
| PAE205562     | SPY200813       | 37%      | 98.9%          | 98.5%            |
| PAE205562     | TPA100544       | 30%      | 99.6%          | 98.8%            |
| PAE205562     | UUR100016       | 30%      | 98.7%          | 99.5%            |
| PAE205562     | VCH100003       | 67%      | 99.1%          | 97.2%            |
| PAE205562     | YPS003478       | 66%      | 99.6%          | 99.8%            |
| SAU100580     | BFR11892        | 34%      | 42.9%          | 75.9%            |
| SAU100580     | BFR10375        | 25%      | 97.7%          | 97.7%            |
| SAU100580     | BCE102742       | 25%      | 53.9%          | 90.2%            |
| SAU100580     | BFU103170       | 29%      | 96.7%          | 98.8%            |
| SAU100580     | CJU101462       | 28%      | 98.3%          | 99.6%            |
| SAU100580     | CAC100937       | 22%      | 34.7%          | 35.4%            |
| SAU100580     | CDF101426       | 21%      | 61.6%          | 49.7%            |
| SAU100580     | CDF103132       | 23%      | 46.5%          | 19.9%            |
| SAU100580     | CDP101424       | 28%      | 96.3%          | 94.0%            |
| SAU100580     | EBC104005       | 28%      | 64.3%          | 54.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU100580     | EFA102283       | 49%      | 95.4%          | 94.5%            |
| SAU100580     | EFM201652       | 39%      | 20.5%          | 86.6%            |
| SAU100580     | EFM201984       | 49%      | 95.4%          | 94.5%            |
| SAU100580     | ECO104238       | 25%      | 89.4%          | 83.2%            |
| SAU100580     | HIN101255       | 30%      | 64.7%          | 78.6%            |
| SAU100580     | HPY100837       | 41%      | 97.1%          | 96.6%            |
| SAU100580     | KPN204114       | 28%      | 64.3%          | 55.5%            |
| SAU100580     | MCA101426       | 27%      | 96.7%          | 97.4%            |
| SAU100580     | MAV103592       | 26%      | 47.7%          | 51.3%            |
| SAU100580     | MBV103538       | 26%      | 95.2%          | 95.4%            |
| SAU100580     | MTU202719       | 26%      | 95.2%          | 93.0%            |
| SAU100580     | MPN100494       | 38%      | 96.7%          | 97.6%            |
| SAU100580     | NGO100938       | 40%      | 97.7%          | 99.0%            |
| SAU100580     | NME200960       | 40%      | 97.3%          | 98.6%            |
| SAU100580     | PMU101537       | 26%      | 98.3%          | 98.6%            |
| SAU100580     | PRT102780       | 35%      | 94.2%          | 56.9%            |
| SAU100580     | PAE202733       | 29%      | 53.9%          | 41.7%            |
| SAU100580     | PPU108596       | 25%      | 63.7%          | 69.3%            |
| SAU100580     | PSY104041       | 27%      | 96.7%          | 89.6%            |
| SAU100580     | SPA101737       | 24%      | 67.2%          | 95.1%            |
| SAU100580     | SAU801808       | 98%      | 100%           | 100%             |
| SAU100580     | SAU800431       | 98%      | 100%           | 100%             |
| SAU100580     | SEP200633       | 76%      | 100%           | 100%             |
| SAU100580     | SMU100858       | 43%      | 97.9%          | 98.7%            |
| SAU100580     | SPN400790       | 26%      | 66.6%          | 70.8%            |
| SAU100580     | SPY201469       | 47%      | 97.3%          | 96.6%            |
| SAU100580     | UUR100097       | 42%      | 64.3%          | 99.4%            |
| SAU100580     | VCH101740       | 29%      | 52.1%          | 39.3%            |
| SAU100905     | BFR11892        | 34%      | 42.9%          | 75.9%            |
| SAU100905     | BFR10375        | 24%      | 97.7%          | 97.7%            |
| SAU100905     | BCE102742       | 25%      | 53.9%          | 90.2%            |
| SAU100905     | BFU103170       | 29%      | 96.7%          | 98.8%            |
| SAU100905     | CJU101462       | 28%      | 98.3%          | 99.6%            |
| SAU100905     | CAC100937       | 22%      | 34.7%          | 35.4%            |
| SAU100905     | CDF101426       | 21%      | 61.6%          | 49.7%            |
| SAU100905     | CDF103132       | 23%      | 46.5%          | 19.9%            |
| SAU100905     | CDP101424       | 28%      | 96.3%          | 94.0%            |
| SAU100905     | EBC104005       | 29%      | 62.5%          | 54.7%            |
| SAU100905     | EFA102283       | 49%      | 95.4%          | 94.5%            |
| SAU100905     | EFM201652       | 38%      | 20.5%          | 86.6%            |
| SAU100905     | EFM201984       | 49%      | 95.4%          | 94.5%            |
| SAU100905     | ECO104238       | 25%      | 89.4%          | 83.2%            |
| SAU100905     | HIN101255       | 31%      | 64.7%          | 78.6%            |
| SAU100905     | HPY100837       | 41%      | 97.1%          | 96.6%            |
| SAU100905     | KPN204114       | 29%      | 62.5%          | 55.5%            |
| SAU100905     | MCA101426       | 27%      | 96.7%          | 97.4%            |
| SAU100905     | MAV103592       | 26%      | 47.7%          | 51.3%            |
| SAU100905     | MBV103538       | 26%      | 95.2%          | 95.4%            |
| SAU100905     | MTU202719       | 26%      | 95.2%          | 93.0%            |
| SAU100905     | MPN100494       | 38%      | 96.7%          | 97.6%            |
| SAU100905     | NGO100938       | 40%      | 97.7%          | 99.0%            |
| SAU100905     | NME200960       | 40%      | 97.3%          | 98.6%            |
| SAU100905     | PMU101537       | 26%      | 98.3%          | 98.6%            |
| SAU100905     | PRT102780       | 36%      | 94.2%          | 56.9%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU100905     | PAE202733       | 30%      | 53.9%          | 41.7%            |
| SAU100905     | PPU108596       | 26%      | 63.7%          | 69.3%            |
| SAU100905     | PSY104041       | 26%      | 96.7%          | 89.6%            |
| SAU100905     | SPA101737       | 25%      | 67.2%          | 95.1%            |
| SAU100905     | SAU801808       | 98%      | 100%           | 100%             |
| SAU100905     | SAU800431       | 98%      | 100%           | 100%             |
| SAU100905     | SEP200633       | 76%      | 100%           | 100%             |
| SAU100905     | SMU100858       | 43%      | 97.9%          | 98.7%            |
| SAU100905     | SPN400790       | 27%      | 66.6%          | 70.8%            |
| SAU100905     | SPY201469       | 47%      | 97.3%          | 96.6%            |
| SAU100905     | UUR100097       | 42%      | 64.3%          | 99.4%            |
| SAU100905     | VCH101740       | 29%      | 52.1%          | 39.3%            |
| SAU102585     | BMA109088       | 24%      | 20.8%          | 37.5%            |
| SAU102585     | CJU101103       | 22%      | 90.9%          | 55.0%            |
| SAU102585     | CPN200123       | 19%      | 16.8%          | 53.4%            |
| SAU102585     | CAC103413       | 20%      | 98.0%          | 72.3%            |
| SAU102585     | CDP100417       | 23%      | 21.5%          | 75.3%            |
| SAU102585     | CDP100776       | 23%      | 20.3%          | 87.8%            |
| SAU102585     | HIN101341       | 20%      | 70.2%          | 49.3%            |
| SAU102585     | MAV105291       | 22%      | 11.9%          | 50.2%            |
| SAU102585     | PPU109363       | 21%      | 42.3%          | 64.9%            |
| SAU102585     | PSY103697       | 21%      | 37.9%          | 64.6%            |
| SAU102585     | SPA101695       | 27%      | 13.3%          | 16.8%            |
| SAU102585     | SAU102585       | 100%     | 100%           | 100%             |
| SAU102585     | SEP102493       | 32%      | 66.6%          | 83.2%            |
| SAU102585     | SPN401804       | 33%      | 6.2%           | 40.3%            |
| SAU102585     | TPA100631       | 19%      | 30.9%          | 45.3%            |
| SAU102585     | YPS001764       | 21%      | 37.0%          | 37.4%            |
| SAU103441     | EFM100160       | 82%      | 100%           | 31.3%            |
| SAU103441     | SAU103441       | 100%     | 100%           | 100%             |
| SAU103443     | SAU103443       | 100%     | 100%           | 100%             |
| SAU103735     | SAU103735       | 100%     | 100%           | 100%             |
| SAU103752     | SAU103752       | 100%     | 100%           | 100%             |
| SAU103780     | EFA203644       | 32%      | 38.7%          | 44.6%            |
| SAU103780     | SAU103780       | 100%     | 100%           | 100%             |
| SAU104011     | SAU104011       | 100%     | 100%           | 100%             |
| SAU104011     | SPN200349       | 63%      | 100%           | 97.4%            |
| SAU104011     | SPY102409       | 54%      | 75%            | 93.7%            |
| SAU200106     | SAU200106       | 100%     | 100%           | 100%             |
| SAU200237     | LPN100228       | 49%      | 82.1%          | 33.2%            |
| SAU200237     | SAU200237       | 100%     | 100%           | 100%             |
| SAU200237     | SEP201396       | 67%      | 93.6%          | 43.8%            |
| SAU200237     | VCH101558       | 36%      | 81.2%          | 30.9%            |
| SAU200260     | BFR11892        | 34%      | 47.5%          | 55.3%            |
| SAU200260     | BFR10375        | 25%      | 97.3%          | 58.7%            |
| SAU200260     | BCE102742       | 31%      | 33.3%          | 31.7%            |
| SAU200260     | BFU103170       | 29%      | 96.5%          | 61.8%            |
| SAU200260     | CJU101462       | 28%      | 97.9%          | 62%              |
| SAU200260     | CAC100937       | 23%      | 32.7%          | 22.9%            |
| SAU200260     | CBO103378       | 24%      | 43.4%          | 31.8%            |
| SAU200260     | CDF101426       | 22%      | 39.8%          | 21.6%            |
| SAU200260     | CDF103132       | 22%      | 33.9%          | 9.6%             |
| SAU200260     | CDP101424       | 29%      | 96.5%          | 60%              |
| SAU200260     | EBC104005       | 29%      | 63.7%          | 36.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU200260     | EFA102488       | 34%      | 96.5%          | 63.2%            |
| SAU200260     | EFA102283       | 46%      | 96.8%          | 63.6%            |
| SAU200260     | EFM201652       | 40%      | 31.3%          | 86.6%            |
| SAU200260     | EFM201984       | 46%      | 96.8%          | 63.6%            |
| SAU200260     | ECO104238       | 23%      | 86.7%          | 50.5%            |
| SAU200260     | HIN101255       | 30%      | 47.5%          | 36.6%            |
| SAU200260     | HPY100837       | 41%      | 97.3%          | 64.1%            |
| SAU200260     | KPN300684       | 25%      | 38.6%          | 51.6%            |
| SAU200260     | MCA101426       | 25%      | 96.5%          | 63.3%            |
| SAU200260     | MAV103592       | 24%      | 44.2%          | 32.8%            |
| SAU200260     | MBV103538       | 27%      | 96.5%          | 61.4%            |
| SAU200260     | MTU202719       | 27%      | 96.5%          | 59.8%            |
| SAU200260     | MPN100494       | 40%      | 98.8%          | 65.9%            |
| SAU200260     | NGO100938       | 43%      | 98.2%          | 65.8%            |
| SAU200260     | NME200960       | 43%      | 97.6%          | 65.4%            |
| SAU200260     | PMU101537       | 25%      | 99.4%          | 65.0%            |
| SAU200260     | PRT102780       | 33%      | 96.5%          | 36.8%            |
| SAU200260     | PAE202733       | 29%      | 43.7%          | 21.8%            |
| SAU200260     | PPU108596       | 33%      | 36.3%          | 27.4%            |
| SAU200260     | PSY104041       | 27%      | 96.5%          | 55.7%            |
| SAU200260     | SPA101737       | 23%      | 86.7%          | 81.4%            |
| SAU200260     | SAU800431       | 99%      | 100%           | 65.4%            |
| SAU200260     | SAU801808       | 99%      | 100%           | 65.4%            |
| SAU200260     | SEP200633       | 75%      | 100%           | 65.4%            |
| SAU200260     | SMU100858       | 47%      | 98.5%          | 64.4%            |
| SAU200260     | SPN400790       | 27%      | 40.4%          | 29.8%            |
| SAU200260     | SPY201469       | 45%      | 97.6%          | 64.1%            |
| SAU200260     | UUR100097       | 50%      | 47.2%          | 48.9%            |
| SAU200260     | VCH101740       | 27%      | 88.5%          | 39.7%            |
| SAU200470     | BFR12473        | 35%      | 66.9%          | 20.1%            |
| SAU200470     | BPT104697       | 38%      | 97.0%          | 29.5%            |
| SAU200470     | BFU109800       | 40%      | 97.0%          | 14.3%            |
| SAU200470     | BMA108112       | 40%      | 97.0%          | 14.6%            |
| SAU200470     | CPN200361       | 25%      | 58.0%          | 18.4%            |
| SAU200470     | CTR200307       | 25%      | 56.8%          | 18.0%            |
| SAU200470     | CAC100478       | 32%      | 64.5%          | 25.1%            |
| SAU200470     | CDP101743       | 52%      | 69.2%          | 22.0%            |
| SAU200470     | HIN101323       | 32%      | 50.9%          | 11.4%            |
| SAU200470     | KPN106560       | 47%      | 97.0%          | 72%              |
| SAU200470     | MAV101648       | 45%      | 97.0%          | 27.8%            |
| SAU200470     | MBV101535       | 48%      | 99.4%          | 33.7%            |
| SAU200470     | MTU202435       | 48%      | 99.4%          | 32.1%            |
| SAU200470     | PMU100542       | 22%      | 74.0%          | 22.1%            |
| SAU200470     | PAE202150       | 42%      | 97.6%          | 15.1%            |
| SAU200470     | PPU100890       | 41%      | 97.0%          | 14.9%            |
| SAU200470     | PSY102525       | 44%      | 97.0%          | 14.9%            |
| SAU200470     | STM100032       | 37%      | 58.6%          | 17.4%            |
| SAU200470     | SAU200470       | 100%     | 100%           | 100%             |
| SAU200470     | SPY101987       | 52%      | 99.4%          | 97.6%            |
| SAU200535     | BAN102851       | 22%      | 99.2%          | 41.4%            |
| SAU200535     | BAN105200       | 27%      | 99.2%          | 40.9%            |
| SAU200535     | BBU100829       | 26%      | 92.8%          | 81.9%            |
| SAU200535     | CAC102141       | 24%      | 99%            | 88.1%            |
| SAU200535     | CBO100905       | 22%      | 54.8%          | 2.5%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU200535     | CBO101427       | 26%      | 94.2%          | 59.8%            |
| SAU200535     | CDF103294       | 25%      | 92.8%          | 41.3%            |
| SAU200535     | EBC104787       | 23%      | 51%            | 65.0%            |
| SAU200535     | EFA200866       | 30%      | 92.5%          | 35.9%            |
| SAU200535     | EFM202519       | 30%      | 92.8%          | 36.1%            |
| SAU200535     | ECO100389       | 21%      | 86%            | 30.5%            |
| SAU200535     | KPN207078       | 38%      | 16.2%          | 74.7%            |
| SAU200535     | LMO100865       | 28%      | 97.5%          | 40.6%            |
| SAU200535     | MCA102350       | 25%      | 91%            | 44.6%            |
| SAU200535     | PAE102229       | 25%      | 50.8%          | 45.7%            |
| SAU200535     | SPA101177       | 25%      | 56.2%          | 57.7%            |
| SAU200535     | SAU200535       | 100%     | 100%           | 100%             |
| SAU200535     | SEP202013       | 47%      | 97.5%          | 81.6%            |
| SAU200535     | SHA100868       | 43%      | 85.2%          | 100%             |
| SAU200535     | TPA100620       | 25%      | 96.2%          | 40.4%            |
| SAU200535     | VCH103246       | 33%      | 64.5%          | 25.0%            |
| SAU200671     | SAU200671       | 100%     | 100%           | 100%             |
| SAU201288     | ABA101027       | 35%      | 96.7%          | 39.5%            |
| SAU201288     | BAN105255       | 39%      | 75.4%          | 31.0%            |
| SAU201288     | BAN110745       | 65%      | 100%           | 37.9%            |
| SAU201288     | BFR11469        | 36%      | 92.6%          | 17.1%            |
| SAU201288     | BFU108548       | 38%      | 95.1%          | 38.0%            |
| SAU201288     | CPN200731       | 48%      | 91.8%          | 17.1%            |
| SAU201288     | CTR200608       | 48%      | 91.8%          | 17.1%            |
| SAU201288     | CBO101881       | 45%      | 96.7%          | 37.2%            |
| SAU201288     | CDF100258       | 41%      | 82.8%          | 32.9%            |
| SAU201288     | EBC103066       | 32%      | 40.2%          | 7.7%             |
| SAU201288     | EFA201271       | 51%      | 97.5%          | 18.5%            |
| SAU201288     | ECO100412       | 34%      | 40.2%          | 7.7%             |
| SAU201288     | KPN304382       | 29%      | 59.0%          | 22.3%            |
| SAU201288     | LMO101318       | 63%      | 100%           | 37.9%            |
| SAU201288     | MAV101952       | 47%      | 91.8%          | 33.6%            |
| SAU201288     | PAE202246       | 49%      | 97.5%          | 34.6%            |
| SAU201288     | SPA102152       | 44%      | 20.5%          | 8.3%             |
| SAU201288     | SPA103654       | 34%      | 40.2%          | 7.9%             |
| SAU201288     | STY100442       | 34%      | 40.2%          | 7.7%             |
| SAU201288     | SAU801516       | 95%      | 100%           | 37.9%            |
| SAU201288     | SEP200882       | 83%      | 100%           | 37.9%            |
| SAU201288     | SHA100929       | 82%      | 100%           | 48.4%            |
| SAU201288     | SMU100292       | 34%      | 97.5%          | 39.4%            |
| SAU201288     | SMU101478       | 39%      | 91.0%          | 34.1%            |
| SAU201288     | SPN401050       | 41%      | 94.3%          | 35.5%            |
| SAU201288     | SPY200776       | 39%      | 91.8%          | 35.5%            |
| SAU201288     | TPA100815       | 31%      | 50%            | 9.5%             |
| SAU201383     | SAU201383       | 100%     | 100%           | 100%             |
| SAU201900     | EFM102391       | 33%      | 95.2%          | 100%             |
| SAU201900     | SAU201900       | 100%     | 100%           | 100%             |
| SAU202256     | BFR101675       | 24%      | 92.2%          | 27.9%            |
| SAU202256     | BFR101280       | 27%      | 93.9%          | 34.3%            |
| SAU202256     | BFR105907       | 25%      | 86.1%          | 25%              |
| SAU202256     | BCE105474       | 22%      | 85.2%          | 38.3%            |
| SAU202256     | BMA100570       | 26%      | 87.8%          | 27.5%            |
| SAU202256     | PSY100258       | 31%      | 53.9%          | 30.9%            |
| SAU202256     | SAU202256       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU202256     | TPA100952       | 23%      | 95.7%          | 28.5%            |
| SAU202256     | TPA100953       | 21%      | 95.7%          | 28.6%            |
| SAU202256     | VCH103501       | 31%      | 84.3%          | 12.8%            |
| SAU202590     | BFR102568       | 34%      | 98.1%          | 26.6%            |
| SAU202590     | BCE113546       | 36%      | 98.1%          | 26.1%            |
| SAU202590     | BFU115336       | 31%      | 97.4%          | 25.5%            |
| SAU202590     | BFU112943       | 33%      | 99.4%          | 26.9%            |
| SAU202590     | BFU108726       | 36%      | 98.1%          | 25.6%            |
| SAU202590     | BMA108339       | 34%      | 97.4%          | 26.6%            |
| SAU202590     | CDP100580       | 31%      | 98.1%          | 26.6%            |
| SAU202590     | EBC102312       | 40%      | 98.1%          | 27.1%            |
| SAU202590     | EFM100662       | 38%      | 98.7%          | 29.4%            |
| SAU202590     | ECO100847       | 40%      | 98.1%          | 26.9%            |
| SAU202590     | KPN301806       | 40%      | 98.1%          | 26.9%            |
| SAU202590     | LMO100148       | 62%      | 97.4%          | 26.6%            |
| SAU202590     | MAV104239       | 34%      | 100%           | 27.8%            |
| SAU202590     | PRT102417       | 38%      | 98.1%          | 26.8%            |
| SAU202590     | PAE202106       | 37%      | 99.4%          | 28.0%            |
| SAU202590     | PAE205292       | 39%      | 98.7%          | 27.1%            |
| SAU202590     | PSY105421       | 33%      | 97.4%          | 26.7%            |
| SAU202590     | STY102871       | 38%      | 98.1%          | 26.9%            |
| SAU202590     | SAU802539       | 98%      | 100%           | 27.1%            |
| SAU202590     | SEP201171       | 84%      | 100%           | 27.1%            |
| SAU202590     | SHA102199       | 82%      | 98.7%          | 26.8%            |
| SAU202590     | SPN400642       | 44%      | 91.0%          | 24.2%            |
| SAU202590     | YPS001186       | 40%      | 98.1%          | 26.9%            |
| SAU202623     | KPN102754       | 45%      | 98.4%          | 50%              |
| SAU202623     | PAE100477       | 39%      | 97.8%          | 63.2%            |
| SAU202623     | SAU202623       | 100%     | 100%           | 100%             |
| SAU202623     | SEP100915       | 80%      | 54.1%          | 100%             |
| SAU202623     | SHA100113       | 80%      | 97.8%          | 98.9%            |
| SAU202623     | SPN201072       | 54%      | 96.8%          | 53.6%            |
| SAU202623     | SPY100161       | 57%      | 84.3%          | 77.8%            |
| SAU202690     | NME301637       | 31%      | 30.5%          | 27.9%            |
| SAU202690     | SAU202690       | 100%     | 100%           | 100%             |
| SAU202691     | BFR105147       | 23%      | 92.8%          | 55.7%            |
| SAU202691     | BFR10527        | 25%      | 89.7%          | 67.2%            |
| SAU202691     | BCE100457       | 47%      | 92.8%          | 40.0%            |
| SAU202691     | BMA102057       | 48%      | 92.8%          | 32.0%            |
| SAU202691     | CJU100760       | 43%      | 100%           | 40.8%            |
| SAU202691     | CPN201105       | 28%      | 71.1%          | 82.4%            |
| SAU202691     | CTR200906       | 32%      | 43.3%          | 59.6%            |
| SAU202691     | CAC101806       | 53%      | 99.0%          | 42.1%            |
| SAU202691     | EBC104247       | 49%      | 93.8%          | 40.1%            |
| SAU202691     | ECO103651       | 51%      | 95.4%          | 40.8%            |
| SAU202691     | HPY100675       | 42%      | 100%           | 40.4%            |
| SAU202691     | KPN201741       | 49%      | 93.8%          | 40.0%            |
| SAU202691     | LPN103319       | 40%      | 93.8%          | 43.1%            |
| SAU202691     | MAV102216       | 46%      | 99.0%          | 39.2%            |
| SAU202691     | MLP100180       | 43%      | 99.0%          | 39.0%            |
| SAU202691     | MTU201007       | 44%      | 99.0%          | 38.8%            |
| SAU202691     | NME100470       | 49%      | 92.8%          | 38.4%            |
| SAU202691     | PRT104690       | 46%      | 95.4%          | 40.7%            |
| SAU202691     | PPU110920       | 50%      | 95.9%          | 46.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU202691     | PSY103456       | 51%      | 95.9%          | 41.1%            |
| SAU202691     | STY103862       | 48%      | 97.9%          | 40.6%            |
| SAU202691     | STM103592       | 25%      | 89.7%          | 33.1%            |
| SAU202691     | SAU202691       | 100%     | 100%           | 100%             |
| SAU203433     | SAU203433       | 100%     | 100%           | 100%             |
| SAU203500     | SAU203500       | 100%     | 100%           | 100%             |
| SAU203732     | SAU203732       | 100%     | 100%           | 100%             |
| SAU203799     | SAU203799       | 100%     | 100%           | 100%             |
| SAU300404     | BFR100550       | 21%      | 89.9%          | 97.5%            |
| SAU300404     | BBU100032       | 26%      | 12.9%          | 26.7%            |
| SAU300404     | CJU100903       | 29%      | 9.3%           | 13.1%            |
| SAU300404     | CAC101721       | 25%      | 11.3%          | 34.4%            |
| SAU300404     | SAU300404       | 100%     | 100%           | 100%             |
| SAU300404     | SEP201215       | 21%      | 21.9%          | 40.9%            |
| SAU300588     | BAN106848       | 32%      | 74.3%          | 77.3%            |
| SAU300588     | BAN110265       | 31%      | 80.2%          | 77.5%            |
| SAU300588     | SAU300588       | 100%     | 100%           | 100%             |
| SAU300588     | SPY103251       | 26%      | 77.2%          | 77.7%            |
| SAU300619     | CBO102022       | 25%      | 33.0%          | 27.0%            |
| SAU300619     | CDP100884       | 32%      | 99.1%          | 39.2%            |
| SAU300619     | HPY101335       | 23%      | 33.0%          | 27.3%            |
| SAU300619     | HPY100661       | 37%      | 96.9%          | 63.0%            |
| SAU300619     | MBV102520       | 35%      | 98.8%          | 38.8%            |
| SAU300619     | MTU201987       | 44%      | 9.7%           | 59.6%            |
| SAU300619     | PSY100059       | 35%      | 99.1%          | 38.3%            |
| SAU300619     | SAU300619       | 100%     | 100%           | 100%             |
| SAU300619     | SHA102843       | 35%      | 21.9%          | 97.7%            |
| SAU300619     | SMU101068       | 25%      | 13.8%          | 7.0%             |
| SAU300619     | SPY101451       | 21%      | 13.1%          | 61.4%            |
| SAU302611     | BAN102481       | 77%      | 100%           | 96.3%            |
| SAU302611     | BAN103905       | 77%      | 100%           | 96.3%            |
| SAU302611     | BAN105988       | 77%      | 100%           | 96.3%            |
| SAU302611     | BAN106606       | 77%      | 100%           | 96.3%            |
| SAU302611     | BAN111727       | 77%      | 100%           | 96.3%            |
| SAU302611     | BAN102671       | 77%      | 100%           | 96.3%            |
| SAU302611     | BAN107521       | 77%      | 100%           | 96.3%            |
| SAU302611     | BPT103051       | 47%      | 100%           | 96.3%            |
| SAU302611     | BPT102315       | 47%      | 100%           | 96.3%            |
| SAU302611     | BPT101460       | 47%      | 100%           | 96.3%            |
| SAU302611     | BCE113336       | 48%      | 93.8%          | 96.1%            |
| SAU302611     | BMA101766       | 50%      | 93.8%          | 96.1%            |
| SAU302611     | BMA103598       | 50%      | 93.8%          | 96.1%            |
| SAU302611     | CTR101134       | 43%      | 43.4%          | 95%              |
| SAU302611     | CTR101070       | 43%      | 43.4%          | 95%              |
| SAU302611     | CDF100373       | 59%      | 98.4%          | 96.2%            |
| SAU302611     | CDF100066       | 62%      | 100%           | 97.7%            |
| SAU302611     | CDF100273       | 62%      | 100%           | 97.7%            |
| SAU302611     | CDF100354       | 62%      | 100%           | 97.7%            |
| SAU302611     | CDP100751       | 50%      | 95.3%          | 92.0%            |
| SAU302611     | CDP100007       | 50%      | 95.3%          | 92.0%            |
| SAU302611     | CDP101023       | 50%      | 95.3%          | 92.0%            |
| SAU302611     | CDP101511       | 50%      | 95.3%          | 92.0%            |
| SAU302611     | EBC101181       | 50%      | 85.3%          | 94.9%            |
| SAU302611     | EFA203228       | 81%      | 100%           | 96.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU302611     | EFA201544       | 81%      | 100%           | 96.3%            |
| SAU302611     | EFA202897       | 81%      | 100%           | 96.3%            |
| SAU302611     | EFM102312       | 84%      | 100%           | 96.3%            |
| SAU302611     | KPN301087       | 51%      | 100%           | 97.8%            |
| SAU302611     | LPN100168       | 46%      | 96.9%          | 100%             |
| SAU302611     | MBV100204       | 50%      | 97.7%          | 94.2%            |
| SAU302611     | MTU403379       | 50%      | 93.0%          | 92.5%            |
| SAU302611     | NGO100418       | 51%      | 92.2%          | 98.4%            |
| SAU302611     | NGO101758       | 55%      | 92.2%          | 98.4%            |
| SAU302611     | NGO100495       | 55%      | 92.2%          | 98.4%            |
| SAU302611     | NGO101930       | 55%      | 92.2%          | 98.4%            |
| SAU302611     | PRT103616       | 48%      | 100%           | 97.8%            |
| SAU302611     | PRT103569       | 48%      | 100%           | 97.8%            |
| SAU302611     | PPU112249       | 46%      | 100%           | 97.8%            |
| SAU302611     | PPU100404       | 46%      | 100%           | 97.8%            |
| SAU302611     | PPU112128       | 46%      | 100%           | 97.8%            |
| SAU302611     | PPU109060       | 46%      | 100%           | 97.8%            |
| SAU302611     | PPU107690       | 46%      | 100%           | 97.8%            |
| SAU302611     | PPU112220       | 46%      | 100%           | 97.8%            |
| SAU302611     | PPU106995       | 47%      | 100%           | 97.8%            |
| SAU302611     | SPA103851       | 51%      | 100%           | 97.8%            |
| SAU302611     | SAU302613       | 100%     | 100%           | 100%             |
| SAU302611     | SAU302611       | 100%     | 100%           | 100%             |
| SAU302611     | SAU302882       | 99%      | 100%           | 100%             |
| SAU302611     | SAU302873       | 100%     | 100%           | 100%             |
| SAU302611     | SAU300286       | 100%     | 100%           | 100%             |
| SAU302611     | SEP201307       | 99%      | 100%           | 100%             |
| SAU302611     | SEP201974       | 99%      | 100%           | 96.3%            |
| SAU302611     | SEP201810       | 99%      | 100%           | 100%             |
| SAU302611     | SEP201853       | 99%      | 100%           | 100%             |
| SAU302611     | SEP201858       | 99%      | 100%           | 100%             |
| SAU302611     | SEP200480       | 99%      | 100%           | 100%             |
| SAU302611     | SHA102654       | 98%      | 100%           | 96.3%            |
| SAU302611     | SMU101717       | 68%      | 100%           | 97.7%            |
| SAU302611     | SMU100578       | 68%      | 100%           | 97.7%            |
| SAU302611     | SMU101779       | 68%      | 100%           | 97.7%            |
| SAU302611     | SMU101966       | 68%      | 100%           | 97.7%            |
| SAU302611     | SMU102028       | 68%      | 100%           | 97.7%            |
| SAU302611     | SPY103747       | 69%      | 100%           | 97.7%            |
| SAU302622     | SAU302622       | 100%     | 100%           | 100%             |
| SAU302699     | ABA101843       | 62%      | 58.4%          | 97.7%            |
| SAU302699     | BAN109136       | 87%      | 42.6%          | 100%             |
| SAU302699     | BAN111488       | 84%      | 61.7%          | 85.7%            |
| SAU302699     | BAN113011       | 73%      | 83.3%          | 96.1%            |
| SAU302699     | BAN112567       | 67%      | 93.8%          | 93.7%            |
| SAU302699     | BAN108734       | 73%      | 83.3%          | 96.1%            |
| SAU302699     | BAN100702       | 73%      | 83.3%          | 96.1%            |
| SAU302699     | BAN100392       | 73%      | 83.3%          | 96.1%            |
| SAU302699     | BAN102919       | 73%      | 83.3%          | 96.1%            |
| SAU302699     | BAN112212       | 73%      | 83.3%          | 96.1%            |
| SAU302699     | BAN103103       | 73%      | 83.3%          | 96.1%            |
| SAU302699     | BAN107063       | 73%      | 83.3%          | 96.1%            |
| SAU302699     | BPT103049       | 60%      | 60.8%          | 99.2%            |
| SAU302699     | BPT102318       | 60%      | 60.8%          | 99.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU302699     | BPT101457       | 60%      | 60.8%          | 99.2%            |
| SAU302699     | BCE107431       | 62%      | 61.2%          | 67.7%            |
| SAU302699     | BMA103350       | 62%      | 61.2%          | 67.7%            |
| SAU302699     | CTR100922       | 70%      | 27.3%          | 36.8%            |
| SAU302699     | CTR100972       | 70%      | 27.3%          | 36.8%            |
| SAU302699     | CBO101216       | 66%      | 71.8%          | 100%             |
| SAU302699     | CBO103473       | 62%      | 85.2%          | 76.7%            |
| SAU302699     | CBO102314       | 62%      | 85.2%          | 76.7%            |
| SAU302699     | CDF100374       | 70%      | 71.8%          | 99.3%            |
| SAU302699     | CDF100272       | 70%      | 71.8%          | 99.3%            |
| SAU302699     | CDF100356       | 70%      | 71.8%          | 99.3%            |
| SAU302699     | EFA202940       | 80%      | 71.8%          | 98.7%            |
| SAU302699     | EFA200232       | 80%      | 71.8%          | 98.7%            |
| SAU302699     | EFA203247       | 80%      | 71.8%          | 98.7%            |
| SAU302699     | EFM102283       | 78%      | 71.8%          | 99.3%            |
| SAU302699     | KPN301088       | 59%      | 69.4%          | 100%             |
| SAU302699     | LPN102537       | 64%      | 68.9%          | 69.6%            |
| SAU302699     | MCA101987       | 63%      | 58.4%          | 97.7%            |
| SAU302699     | NGO100485       | 56%      | 78.0%          | 81.0%            |
| SAU302699     | NGO101739       | 60%      | 78.0%          | 80.9%            |
| SAU302699     | NGO100416       | 60%      | 78.0%          | 80.9%            |
| SAU302699     | NGO101928       | 60%      | 78.0%          | 80.9%            |
| SAU302699     | NME102279       | 56%      | 78.0%          | 81.4%            |
| SAU302699     | PAE106765       | 53%      | 85.2%          | 83.6%            |
| SAU302699     | PPU102360       | 64%      | 66.0%          | 94.1%            |
| SAU302699     | PPU100405       | 64%      | 66.0%          | 94.1%            |
| SAU302699     | PPU109021       | 64%      | 66.0%          | 94.1%            |
| SAU302699     | PPU106972       | 64%      | 66.0%          | 94.1%            |
| SAU302699     | PPU102859       | 64%      | 66.0%          | 94.1%            |
| SAU302699     | PPU112386       | 64%      | 66.0%          | 94.1%            |
| SAU302699     | PPU110948       | 64%      | 66.0%          | 94.1%            |
| SAU302699     | PSY106900       | 64%      | 64.1%          | 100%             |
| SAU302699     | PSY107681       | 64%      | 64.1%          | 100%             |
| SAU302699     | PSY108788       | 64%      | 64.1%          | 100%             |
| SAU302699     | SPA103852       | 61%      | 63.6%          | 100%             |
| SAU302699     | SAU301433       | 100%     | 100%           | 100%             |
| SAU302699     | SAU302699       | 100%     | 100%           | 100%             |
| SAU302699     | SAU302746       | 99%      | 100%           | 100%             |
| SAU302699     | SAU300348       | 99%      | 100%           | 100%             |
| SAU302699     | SAU302851       | 99%      | 100%           | 100%             |
| SAU302699     | SEP201306       | 96%      | 76.6%          | 76.4%            |
| SAU302699     | SEP201972       | 96%      | 76.6%          | 76.4%            |
| SAU302699     | SEP201811       | 96%      | 76.6%          | 76.4%            |
| SAU302699     | SEP201854       | 96%      | 76.6%          | 76.4%            |
| SAU302699     | SEP201859       | 96%      | 76.6%          | 76.4%            |
| SAU302699     | SEP200478       | 96%      | 76.6%          | 76.4%            |
| SAU302699     | SHA102575       | 98%      | 71.8%          | 100%             |
| SAU302699     | SMU101810       | 79%      | 62.7%          | 86%              |
| SAU302699     | SMU100577       | 79%      | 62.7%          | 86%              |
| SAU302699     | SMU102074       | 79%      | 62.7%          | 86%              |
| SAU302699     | SMU101683       | 79%      | 62.7%          | 86%              |
| SAU302699     | SMU101835       | 79%      | 62.7%          | 86%              |
| SAU302699     | SPN102801       | 83%      | 62.2%          | 85.2%            |
| SAU302699     | SPY103387       | 77%      | 71.8%          | 99.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU302737     | SAU302737       | 100%     | 100%           | 100%             |
| SAU302746     | ABA101843       | 62%      | 58.4%          | 97.7%            |
| SAU302746     | BAN109136       | 87%      | 42.6%          | 100%             |
| SAU302746     | BAN111488       | 83%      | 61.7%          | 85.7%            |
| SAU302746     | BAN113011       | 72%      | 83.3%          | 96.1%            |
| SAU302746     | BAN112567       | 66%      | 93.8%          | 93.7%            |
| SAU302746     | BAN108734       | 72%      | 83.3%          | 96.1%            |
| SAU302746     | BAN100702       | 72%      | 83.3%          | 96.1%            |
| SAU302746     | BAN100392       | 72%      | 83.3%          | 96.1%            |
| SAU302746     | BAN102919       | 72%      | 83.3%          | 96.1%            |
| SAU302746     | BAN112212       | 72%      | 83.3%          | 96.1%            |
| SAU302746     | BAN103103       | 72%      | 83.3%          | 96.1%            |
| SAU302746     | BAN107063       | 72%      | 83.3%          | 96.1%            |
| SAU302746     | BPT103049       | 59%      | 60.8%          | 99.2%            |
| SAU302746     | BPT102318       | 59%      | 60.8%          | 99.2%            |
| SAU302746     | BPT101457       | 59%      | 60.8%          | 99.2%            |
| SAU302746     | BCE107431       | 61%      | 61.2%          | 67.7%            |
| SAU302746     | BMA103350       | 61%      | 61.2%          | 67.7%            |
| SAU302746     | CTR100922       | 70%      | 27.3%          | 36.8%            |
| SAU302746     | CTR100972       | 70%      | 27.3%          | 36.8%            |
| SAU302746     | CBO101216       | 65%      | 71.8%          | 100%             |
| SAU302746     | CBO103473       | 61%      | 85.2%          | 76.7%            |
| SAU302746     | CBO102314       | 61%      | 85.2%          | 76.7%            |
| SAU302746     | CDF100374       | 70%      | 71.8%          | 99.3%            |
| SAU302746     | CDF100272       | 70%      | 71.8%          | 99.3%            |
| SAU302746     | CDF100356       | 70%      | 71.8%          | 99.3%            |
| SAU302746     | EFA202940       | 79%      | 71.8%          | 98.7%            |
| SAU302746     | EFA200232       | 79%      | 71.8%          | 98.7%            |
| SAU302746     | EFA203247       | 79%      | 71.8%          | 98.7%            |
| SAU302746     | EFM102283       | 78%      | 71.8%          | 99.3%            |
| SAU302746     | KPN301088       | 58%      | 69.4%          | 100%             |
| SAU302746     | LPN102537       | 63%      | 68.9%          | 69.6%            |
| SAU302746     | MCA101987       | 62%      | 58.4%          | 97.7%            |
| SAU302746     | NGO100485       | 56%      | 78.0%          | 81.0%            |
| SAU302746     | NGO101739       | 60%      | 78.0%          | 80.9%            |
| SAU302746     | NGO100416       | 60%      | 78.0%          | 80.9%            |
| SAU302746     | NGO101928       | 60%      | 78.0%          | 80.9%            |
| SAU302746     | NME102279       | 56%      | 78.0%          | 81.4%            |
| SAU302746     | PAE106765       | 58%      | 75.1%          | 75.5%            |
| SAU302746     | PPU102360       | 63%      | 66.0%          | 94.1%            |
| SAU302746     | PPU100405       | 63%      | 66.0%          | 94.1%            |
| SAU302746     | PPU109021       | 63%      | 66.0%          | 94.1%            |
| SAU302746     | PPU106972       | 63%      | 66.0%          | 94.1%            |
| SAU302746     | PPU102859       | 63%      | 66.0%          | 94.1%            |
| SAU302746     | PPU112386       | 63%      | 66.0%          | 94.1%            |
| SAU302746     | PPU110948       | 63%      | 66.0%          | 94.1%            |
| SAU302746     | PSY106900       | 64%      | 64.1%          | 100%             |
| SAU302746     | PSY107681       | 64%      | 64.1%          | 100%             |
| SAU302746     | PSY108788       | 64%      | 64.1%          | 100%             |
| SAU302746     | SPA103852       | 60%      | 63.6%          | 100%             |
| SAU302746     | SAU300348       | 99%      | 100%           | 100%             |
| SAU302746     | SAU302746       | 100%     | 100%           | 100%             |
| SAU302746     | SAU301433       | 99%      | 100%           | 100%             |
| SAU302746     | SAU302699       | 99%      | 100%           | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU302746     | SAU302851       | 99%      | 100%           | 100%             |
| SAU302746     | SEP201306       | 95%      | 76.6%          | 76.4%            |
| SAU302746     | SEP201972       | 95%      | 76.6%          | 76.4%            |
| SAU302746     | SEP201811       | 95%      | 76.6%          | 76.4%            |
| SAU302746     | SEP201854       | 95%      | 76.6%          | 76.4%            |
| SAU302746     | SEP201859       | 95%      | 76.6%          | 76.4%            |
| SAU302746     | SEP200478       | 95%      | 76.6%          | 76.4%            |
| SAU302746     | SHA102575       | 98%      | 71.8%          | 100%             |
| SAU302746     | SMU101810       | 78%      | 62.7%          | 86%              |
| SAU302746     | SMU100577       | 78%      | 62.7%          | 86%              |
| SAU302746     | SMU102074       | 78%      | 62.7%          | 86%              |
| SAU302746     | SMU101683       | 78%      | 62.7%          | 86%              |
| SAU302746     | SMU101835       | 78%      | 62.7%          | 86%              |
| SAU302746     | SPN102801       | 83%      | 62.2%          | 85.2%            |
| SAU302746     | SPY103387       | 76%      | 71.8%          | 99.3%            |
| SAU302793     | EFA104057       | 63%      | 100%           | 100%             |
| SAU302793     | EFM100700       | 68%      | 79.1%          | 100%             |
| SAU302793     | KPN104217       | 55%      | 98.7%          | 88.7%            |
| SAU302793     | MCA102759       | 51%      | 100%           | 100%             |
| SAU302793     | SAU302793       | 100%     | 100%           | 100%             |
| SAU302793     | SPY102377       | 51%      | 31.5%          | 75.8%            |
| SAU302812     | SAU302812       | 100%     | 100%           | 100%             |
| SAU302882     | BAN102481       | 76%      | 100%           | 96.3%            |
| SAU302882     | BAN103905       | 76%      | 100%           | 96.3%            |
| SAU302882     | BAN105988       | 76%      | 100%           | 96.3%            |
| SAU302882     | BAN106606       | 76%      | 100%           | 96.3%            |
| SAU302882     | BAN111727       | 76%      | 100%           | 96.3%            |
| SAU302882     | BAN102671       | 76%      | 100%           | 96.3%            |
| SAU302882     | BAN107521       | 76%      | 100%           | 96.3%            |
| SAU302882     | BPT103051       | 46%      | 100%           | 96.3%            |
| SAU302882     | BPT102315       | 46%      | 100%           | 96.3%            |
| SAU302882     | BPT101460       | 46%      | 100%           | 96.3%            |
| SAU302882     | BCE113336       | 47%      | 93.8%          | 96.1%            |
| SAU302882     | BMA101766       | 49%      | 93.8%          | 96.1%            |
| SAU302882     | BMA103598       | 49%      | 93.8%          | 96.1%            |
| SAU302882     | CTR101134       | 43%      | 43.4%          | 95%              |
| SAU302882     | CTR101070       | 43%      | 43.4%          | 95%              |
| SAU302882     | CDF100373       | 59%      | 98.4%          | 96.2%            |
| SAU302882     | CDF100066       | 61%      | 100%           | 97.7%            |
| SAU302882     | CDF100273       | 62%      | 100%           | 97.7%            |
| SAU302882     | CDF100354       | 62%      | 100%           | 97.7%            |
| SAU302882     | CDP100751       | 49%      | 95.3%          | 92.0%            |
| SAU302882     | CDP100007       | 49%      | 95.3%          | 92.0%            |
| SAU302882     | CDP101023       | 49%      | 95.3%          | 92.0%            |
| SAU302882     | CDP101511       | 49%      | 95.3%          | 92.0%            |
| SAU302882     | EBC101181       | 50%      | 85.3%          | 94.9%            |
| SAU302882     | EFA203228       | 80%      | 100%           | 96.3%            |
| SAU302882     | EFA201544       | 80%      | 100%           | 96.3%            |
| SAU302882     | EFA202897       | 80%      | 100%           | 96.3%            |
| SAU302882     | EFM102312       | 83%      | 100%           | 96.3%            |
| SAU302882     | KPN301087       | 50%      | 100%           | 97.8%            |
| SAU302882     | LPN100168       | 45%      | 96.9%          | 100%             |
| SAU302882     | MBV100204       | 49%      | 97.7%          | 94.2%            |
| SAU302882     | MTU403379       | 49%      | 93.0%          | 92.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU302882     | NGO100418       | 50%      | 92.2%          | 98.4%            |
| SAU302882     | NGO101758       | 54%      | 92.2%          | 98.4%            |
| SAU302882     | NGO100495       | 54%      | 92.2%          | 98.4%            |
| SAU302882     | NGO101930       | 54%      | 92.2%          | 98.4%            |
| SAU302882     | PRT103616       | 48%      | 100%           | 97.8%            |
| SAU302882     | PRT103569       | 48%      | 100%           | 97.8%            |
| SAU302882     | PPU112249       | 45%      | 100%           | 97.8%            |
| SAU302882     | PPU100404       | 45%      | 100%           | 97.8%            |
| SAU302882     | PPU112128       | 45%      | 100%           | 97.8%            |
| SAU302882     | PPU109060       | 45%      | 100%           | 97.8%            |
| SAU302882     | PPU107690       | 45%      | 100%           | 97.8%            |
| SAU302882     | PPU112220       | 45%      | 100%           | 97.8%            |
| SAU302882     | PPU106995       | 46%      | 100%           | 97.8%            |
| SAU302882     | SPA103851       | 50%      | 100%           | 97.8%            |
| SAU302882     | SAU302873       | 99%      | 100%           | 100%             |
| SAU302882     | SAU302882       | 100%     | 100%           | 100%             |
| SAU302882     | SAU302611       | 99%      | 100%           | 100%             |
| SAU302882     | SAU300286       | 99%      | 100%           | 100%             |
| SAU302882     | SAU302613       | 99%      | 100%           | 100%             |
| SAU302882     | SEP201307       | 98%      | 100%           | 100%             |
| SAU302882     | SEP201974       | 98%      | 100%           | 96.3%            |
| SAU302882     | SEP201810       | 98%      | 100%           | 100%             |
| SAU302882     | SEP201853       | 98%      | 100%           | 100%             |
| SAU302882     | SEP201858       | 98%      | 100%           | 100%             |
| SAU302882     | SEP200480       | 98%      | 100%           | 100%             |
| SAU302882     | SHA102654       | 97%      | 100%           | 96.3%            |
| SAU302882     | SMU101717       | 67%      | 100%           | 97.7%            |
| SAU302882     | SMU100578       | 67%      | 100%           | 97.7%            |
| SAU302882     | SMU101779       | 67%      | 100%           | 97.7%            |
| SAU302882     | SMU101966       | 67%      | 100%           | 97.7%            |
| SAU302882     | SMU102028       | 67%      | 100%           | 97.7%            |
| SAU302882     | SPY103747       | 68%      | 100%           | 97.7%            |
| SAU302890     | SAU302890       | 100%     | 100%           | 100%             |
| SAU302892     | ABA101252       | 27%      | 25.5%          | 27.6%            |
| SAU302892     | BCE100035       | 21%      | 50.7%          | 43.8%            |
| SAU302892     | BMA107767       | 23%      | 40.3%          | 20.1%            |
| SAU302892     | MPN100626       | 27%      | 17.8%          | 15.5%            |
| SAU302892     | SAU302892       | 100%     | 100%           | 100%             |
| SAU302892     | SEP200396       | 30%      | 46.4%          | 96.7%            |
| SAU302892     | SHA101424       | 23%      | 30.0%          | 1.6%             |
| SAU302892     | SHA101983       | 27%      | 46.4%          | 8.6%             |
| SAU302892     | SHA100633       | 30%      | 55.7%          | 99.1%            |
| SAU302892     | SPY100349       | 26%      | 37.7%          | 17.7%            |
| SAU403191     | SAU403191       | 100%     | 100%           | 100%             |
| SAU501625     | BFR11892        | 34%      | 42.9%          | 75.9%            |
| SAU501625     | BFR10375        | 24%      | 97.7%          | 97.7%            |
| SAU501625     | BCE102742       | 25%      | 53.9%          | 90.2%            |
| SAU501625     | BFU103170       | 28%      | 96.7%          | 98.8%            |
| SAU501625     | CJU101462       | 27%      | 98.3%          | 99.6%            |
| SAU501625     | CAC100937       | 22%      | 34.7%          | 35.4%            |
| SAU501625     | CBO103378       | 25%      | 68.1%          | 74.8%            |
| SAU501625     | CDF101426       | 21%      | 61.6%          | 49.7%            |
| SAU501625     | CDF103132       | 23%      | 46.5%          | 19.9%            |
| SAU501625     | CDP101424       | 28%      | 96.3%          | 94.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU501625     | EBC104005       | 29%      | 62.5%          | 54.7%            |
| SAU501625     | EFA102283       | 49%      | 95.4%          | 94.5%            |
| SAU501625     | EFM201652       | 38%      | 20.5%          | 86.6%            |
| SAU501625     | EFM201984       | 49%      | 95.4%          | 94.5%            |
| SAU501625     | ECO104238       | 25%      | 89.4%          | 83.2%            |
| SAU501625     | HIN101255       | 31%      | 64.7%          | 78.6%            |
| SAU501625     | HPY100837       | 41%      | 97.1%          | 96.6%            |
| SAU501625     | KPN300684       | 25%      | 25.3%          | 51.6%            |
| SAU501625     | MCA101426       | 27%      | 96.7%          | 97.4%            |
| SAU501625     | MAV103592       | 24%      | 63.1%          | 68.5%            |
| SAU501625     | MBV103538       | 26%      | 95.2%          | 95.4%            |
| SAU501625     | MTU202719       | 26%      | 95.2%          | 93.0%            |
| SAU501625     | MPN100494       | 38%      | 96.7%          | 97.6%            |
| SAU501625     | NGO100938       | 40%      | 97.7%          | 99.0%            |
| SAU501625     | NME200960       | 40%      | 97.3%          | 98.6%            |
| SAU501625     | PMU101537       | 26%      | 98.3%          | 98.6%            |
| SAU501625     | PRT102780       | 36%      | 94.2%          | 56.9%            |
| SAU501625     | PAE202733       | 30%      | 53.9%          | 41.7%            |
| SAU501625     | PPU108596       | 26%      | 63.7%          | 69.3%            |
| SAU501625     | PSY104041       | 26%      | 96.7%          | 89.6%            |
| SAU501625     | SPA101737       | 25%      | 67.2%          | 95.1%            |
| SAU501625     | SAU801808       | 98%      | 100%           | 100%             |
| SAU501625     | SAU800431       | 98%      | 100%           | 100%             |
| SAU501625     | SEP200633       | 75%      | 100%           | 100%             |
| SAU501625     | SMU100858       | 43%      | 97.9%          | 98.7%            |
| SAU501625     | SPN400790       | 27%      | 66.6%          | 70.8%            |
| SAU501625     | SPY201469       | 48%      | 97.3%          | 96.6%            |
| SAU501625     | UUR100097       | 43%      | 64.3%          | 99.4%            |
| SAU501625     | VCH101740       | 29%      | 52.1%          | 39.3%            |
| SAU502176     | SAU502176       | 100%     | 100%           | 100%             |
| SAU502208     | SAU502208       | 100%     | 100%           | 100%             |
| SAU502215     | SAU502215       | 100%     | 100%           | 100%             |
| SAU600582     | BAN110758       | 80%      | 100%           | 100%             |
| SAU600582     | CTR100959       | 54%      | 61.4%          | 74.5%            |
| SAU600582     | CTR100991       | 54%      | 61.4%          | 74.5%            |
| SAU600582     | CDP100752       | 64%      | 100%           | 100%             |
| SAU600582     | CDP101757       | 64%      | 100%           | 100%             |
| SAU600582     | CDP101021       | 64%      | 100%           | 100%             |
| SAU600582     | CDP101514       | 64%      | 100%           | 100%             |
| SAU600582     | EBC103142       | 66%      | 100%           | 100%             |
| SAU600582     | EBC101895       | 66%      | 100%           | 100%             |
| SAU600582     | EFM101645       | 73%      | 52.6%          | 100%             |
| SAU600582     | KPN300934       | 68%      | 100%           | 67.9%            |
| SAU600582     | KPN300714       | 68%      | 100%           | 67.9%            |
| SAU600582     | KPN301086       | 68%      | 100%           | 67.9%            |
| SAU600582     | LPN102372       | 57%      | 70.2%          | 59.7%            |
| SAU600582     | LPN101257       | 57%      | 70.2%          | 59.7%            |
| SAU600582     | MBV100206       | 61%      | 100%           | 100%             |
| SAU600582     | MTU403382       | 61%      | 100%           | 100%             |
| SAU600582     | NGO101932       | 60%      | 96.5%          | 100%             |
| SAU600582     | NGO100498       | 60%      | 96.5%          | 100%             |
| SAU600582     | NGO100420       | 60%      | 96.5%          | 100%             |
| SAU600582     | NGO101761       | 60%      | 96.5%          | 100%             |
| SAU600582     | NME100672       | 60%      | 96.5%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU600582     | PRT103309       | 67%      | 80.7%          | 100%             |
| SAU600582     | PRT101240       | 66%      | 100%           | 100%             |
| SAU600582     | PRT103323       | 66%      | 100%           | 100%             |
| SAU600582     | PRT105208       | 66%      | 100%           | 100%             |
| SAU600582     | SPA103850       | 68%      | 100%           | 67.9%            |
| SAU600582     | SPA100555       | 68%      | 100%           | 67.9%            |
| SAU600582     | SAU600582       | 100%     | 100%           | 100%             |
| SAU600582     | SEP201857       | 98%      | 100%           | 100%             |
| SAU600582     | SEP200482       | 98%      | 100%           | 100%             |
| SAU600582     | SEP201309       | 98%      | 100%           | 100%             |
| SAU600582     | SEP201976       | 98%      | 100%           | 100%             |
| SAU600582     | SEP201804       | 98%      | 100%           | 100%             |
| SAU600582     | SEP201852       | 98%      | 100%           | 100%             |
| SAU600582     | SHA101186       | 75%      | 100%           | 100%             |
| SAU600582     | SHA100138       | 97%      | 84.2%          | 100%             |
| SAU600582     | SHA101187       | 98%      | 100%           | 100%             |
| SAU600582     | SMU101951       | 73%      | 52.6%          | 100%             |
| SAU600582     | SMU101988       | 73%      | 52.6%          | 100%             |
| SAU600582     | SMU101640       | 73%      | 52.6%          | 100%             |
| SAU600582     | SMU101707       | 73%      | 52.6%          | 100%             |
| SAU600582     | SMU102015       | 73%      | 52.6%          | 100%             |
| SAU600582     | SPN103406       | 70%      | 52.6%          | 100%             |
| SAU603460     | BBU100679       | 23%      | 33.5%          | 30.5%            |
| SAU603460     | NGO101025       | 21%      | 24.5%          | 67.3%            |
| SAU603460     | PAE202974       | 21%      | 36.9%          | 22.8%            |
| SAU603460     | SAU603460       | 100%     | 100%           | 100%             |
| SAU700396     | CAC100049       | 33%      | 26.7%          | 17.6%            |
| SAU700396     | CDF103821       | 23%      | 53.1%          | 77.8%            |
| SAU700396     | SAU800433       | 40%      | 15.8%          | 7.0%             |
| SAU700396     | SAU800427       | 41%      | 26.4%          | 7.3%             |
| SAU700396     | SAU800428       | 41%      | 26.4%          | 7.3%             |
| SAU700396     | SAU800426       | 38%      | 25.7%          | 6.5%             |
| SAU700396     | SAU800429       | 33%      | 21.9%          | 0.9%             |
| SAU700396     | SAU801168       | 32%      | 38.4%          | 47.3%            |
| SAU700396     | SAU801167       | 24%      | 68.2%          | 80.1%            |
| SAU700396     | SAU801166       | 25%      | 67.1%          | 81.1%            |
| SAU700396     | SAU802011       | 34%      | 25.3%          | 32.5%            |
| SAU700396     | SAU800425       | 41%      | 25.7%          | 6.8%             |
| SAU700396     | SAU800422       | 36%      | 12.7%          | 10.6%            |
| SAU700396     | SAU800423       | 48%      | 73.6%          | 91.8%            |
| SAU700396     | SAU800424       | 55%      | 100%           | 100%             |
| SAU700396     | SPY103617       | 40%      | 25.7%          | 43.8%            |
| SAU800001     | ABA100983       | 41%      | 81.2%          | 79.3%            |
| SAU800001     | BAN112286       | 29%      | 21.0%          | 27.0%            |
| SAU800001     | BAN110545       | 59%      | 87.4%          | 90.8%            |
| SAU800001     | BAN102589       | 62%      | 97.6%          | 97.8%            |
| SAU800001     | BFR101484       | 31%      | 97.6%          | 95.6%            |
| SAU800001     | BPT100629       | 36%      | 98.9%          | 99.6%            |
| SAU800001     | BBU100436       | 34%      | 99.1%          | 98.1%            |
| SAU800001     | BCE108826       | 44%      | 79.9%          | 98.4%            |
| SAU800001     | BFU100017       | 45%      | 73.5%          | 96.8%            |
| SAU800001     | BMA102755       | 44%      | 81.7%          | 69.8%            |
| SAU800001     | CJU100001       | 35%      | 97.6%          | 97.7%            |
| SAU800001     | CPN200324       | 35%      | 99.1%          | 95.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800001     | CTR200540       | 39%      | 77.9%          | 76.9%            |
| SAU800001     | CAC102789       | 57%      | 98.0%          | 97.5%            |
| SAU800001     | CBO101747       | 54%      | 98.5%          | 98.0%            |
| SAU800001     | CDF100209       | 62%      | 78.8%          | 98.9%            |
| SAU800001     | CDP100027       | 50%      | 74.2%          | 60.2%            |
| SAU800001     | EBC104357       | 44%      | 88.1%          | 93.7%            |
| SAU800001     | EFA200677       | 50%      | 98.0%          | 98.0%            |
| SAU800001     | EFM101245       | 52%      | 38.4%          | 100%             |
| SAU800001     | ECO103623       | 42%      | 97.4%          | 97.9%            |
| SAU800001     | HIN100974       | 38%      | 98.5%          | 98.7%            |
| SAU800001     | HPY101507       | 36%      | 73.3%          | 71.6%            |
| SAU800001     | KPN301146       | 41%      | 97.4%          | 98.1%            |
| SAU800001     | LPN101463       | 43%      | 87.9%          | 98.5%            |
| SAU800001     | LMO100513       | 60%      | 99.3%          | 98.2%            |
| SAU800001     | MCA100098       | 30%      | 99.3%          | 95.9%            |
| SAU800001     | MAV100561       | 49%      | 82.8%          | 76.0%            |
| SAU800001     | MBV103652       | 50%      | 81.9%          | 72.6%            |
| SAU800001     | MLP100001       | 52%      | 76.2%          | 66.0%            |
| SAU800001     | MTU200001       | 50%      | 81.9%          | 72.6%            |
| SAU800001     | MGE100479       | 29%      | 93.6%          | 94.7%            |
| SAU800001     | MPN100156       | 31%      | 72.0%          | 75.6%            |
| SAU800001     | NGO100049       | 44%      | 86.5%          | 81.7%            |
| SAU800001     | NME200512       | 47%      | 78.1%          | 68.7%            |
| SAU800001     | PMU101161       | 38%      | 97.4%          | 97.1%            |
| SAU800001     | PRT103054       | 37%      | 67.1%          | 98.2%            |
| SAU800001     | PAE200001       | 51%      | 72.0%          | 63.2%            |
| SAU800001     | PPU102202       | 51%      | 72.0%          | 64.2%            |
| SAU800001     | PSY103554       | 51%      | 72.0%          | 63.6%            |
| SAU800001     | SPA101587       | 51%      | 52.1%          | 97.5%            |
| SAU800001     | STY103948       | 42%      | 97.4%          | 97.9%            |
| SAU800001     | SAU800001       | 100%     | 100%           | 100%             |
| SAU800001     | SEP201279       | 84%      | 99.8%          | 99.8%            |
| SAU800001     | SHA102255       | 80%      | 99.8%          | 99.8%            |
| SAU800001     | SMU100027       | 43%      | 99.3%          | 99.3%            |
| SAU800001     | SPN400001       | 43%      | 99.6%          | 100%             |
| SAU800001     | SPY200001       | 41%      | 99.3%          | 99.3%            |
| SAU800001     | TPA100001       | 37%      | 98.5%          | 97.4%            |
| SAU800001     | UUR100001       | 25%      | 94.3%          | 94.1%            |
| SAU800001     | VCH100012       | 41%      | 97.4%          | 96.8%            |
| SAU800001     | YPS003458       | 42%      | 97.4%          | 97.8%            |
| SAU800002     | ABA100981       | 26%      | 99.2%          | 99.7%            |
| SAU800002     | BAN105678       | 38%      | 99.2%          | 100%             |
| SAU800002     | BAN102692       | 53%      | 99.7%          | 100%             |
| SAU800002     | BFR11213        | 21%      | 98.9%          | 98.9%            |
| SAU800002     | BPT100121       | 26%      | 90.2%          | 89.5%            |
| SAU800002     | BBU100437       | 22%      | 96.8%          | 97.9%            |
| SAU800002     | BCE108969       | 26%      | 97.9%          | 96.3%            |
| SAU800002     | BFU106132       | 28%      | 69.8%          | 69.0%            |
| SAU800002     | BMA103461       | 25%      | 97.9%          | 98.1%            |
| SAU800002     | CJU100002       | 19%      | 93.6%          | 93.8%            |
| SAU800002     | CPN200413       | 26%      | 99.7%          | 99.5%            |
| SAU800002     | CTR200341       | 26%      | 99.7%          | 99.5%            |
| SAU800002     | CAC102898       | 38%      | 99.2%          | 98.9%            |
| SAU800002     | CBO101151       | 36%      | 99.2%          | 96.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800002     | CDF102599       | 37%      | 59.9%          | 85.1%            |
| SAU800002     | CDP100028       | 23%      | 99.2%          | 95.6%            |
| SAU800002     | EBC104358       | 26%      | 99.2%          | 99.7%            |
| SAU800002     | EFA200676       | 43%      | 99.5%          | 99.7%            |
| SAU800002     | EFM202471       | 43%      | 99.5%          | 99.7%            |
| SAU800002     | ECO103622       | 26%      | 99.2%          | 99.7%            |
| SAU800002     | HIN100973       | 27%      | 99.2%          | 99.7%            |
| SAU800002     | HPY100495       | 23%      | 92.0%          | 90.6%            |
| SAU800002     | KPN301147       | 27%      | 99.2%          | 99.7%            |
| SAU800002     | LPN100144       | 23%      | 99.5%          | 99.7%            |
| SAU800002     | LMO100012       | 51%      | 99.7%          | 100%             |
| SAU800002     | MCA101382       | 28%      | 99.2%          | 99.7%            |
| SAU800002     | MAV100562       | 26%      | 96.6%          | 90.0%            |
| SAU800002     | MBV104783       | 27%      | 96.6%          | 89.6%            |
| SAU800002     | MLP100002       | 28%      | 97.1%          | 90.5%            |
| SAU800002     | MTU200002       | 27%      | 96.6%          | 89.6%            |
| SAU800002     | MGE100001       | 21%      | 90.2%          | 94.8%            |
| SAU800002     | MPN100153       | 23%      | 95.5%          | 97.4%            |
| SAU800002     | NGO100051       | 24%      | 99.5%          | 99.7%            |
| SAU800002     | NME200513       | 25%      | 99.5%          | 99.7%            |
| SAU800002     | PMU101160       | 26%      | 99.2%          | 99.7%            |
| SAU800002     | PRT102209       | 26%      | 99.2%          | 99.7%            |
| SAU800002     | PAE200002       | 25%      | 99.2%          | 99.7%            |
| SAU800002     | PPU109143       | 26%      | 99.2%          | 99.7%            |
| SAU800002     | PSY103553       | 24%      | 99.2%          | 99.7%            |
| SAU800002     | SPA101586       | 26%      | 98.9%          | 99.7%            |
| SAU800002     | STY103962       | 26%      | 99.2%          | 99.7%            |
| SAU800002     | SAU800002       | 100%     | 100%           | 100%             |
| SAU800002     | SEP201278       | 93%      | 100%           | 100%             |
| SAU800002     | SHA102256       | 94%      | 100%           | 100%             |
| SAU800002     | SMU100028       | 37%      | 99.7%          | 99.7%            |
| SAU800002     | SPN400002       | 40%      | 99.7%          | 99.7%            |
| SAU800002     | SPY200002       | 39%      | 99.7%          | 99.7%            |
| SAU800002     | TPA100002       | 26%      | 99.5%          | 99.7%            |
| SAU800002     | UUR100077       | 22%      | 88.1%          | 87.3%            |
| SAU800002     | VCH100013       | 28%      | 99.2%          | 99.7%            |
| SAU800002     | YPS003454       | 26%      | 99.2%          | 99.7%            |
| SAU800005     | ABA100992       | 53%      | 99.1%          | 98.7%            |
| SAU800005     | BAN111688       | 49%      | 95.5%          | 98.3%            |
| SAU800005     | BAN103655       | 70%      | 98.1%          | 97.8%            |
| SAU800005     | BFR10422        | 54%      | 98.4%          | 98.6%            |
| SAU800005     | BPT100120       | 49%      | 92.7%          | 100%             |
| SAU800005     | BBU100435       | 53%      | 98.0%          | 98.9%            |
| SAU800005     | BCE109504       | 52%      | 98.4%          | 97.7%            |
| SAU800005     | BFU102072       | 51%      | 99.2%          | 99.9%            |
| SAU800005     | BMA101322       | 51%      | 98.1%          | 98.7%            |
| SAU800005     | CJU100003       | 54%      | 97.2%          | 98.7%            |
| SAU800005     | CPN200477       | 56%      | 97.2%          | 98.1%            |
| SAU800005     | CTR200455       | 56%      | 97.8%          | 99.0%            |
| SAU800005     | CAC101093       | 62%      | 97.8%          | 98.7%            |
| SAU800005     | CBO101275       | 62%      | 98.4%          | 99.2%            |
| SAU800005     | CDF100210       | 61%      | 97.8%          | 99.2%            |
| SAU800005     | CDP100030       | 53%      | 96.9%          | 97.2%            |
| SAU800005     | EBC104360       | 55%      | 98.3%          | 99.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800005     | EFA200674       | 66%      | 97.8%          | 97.7%            |
| SAU800005     | EFM200514       | 66%      | 99.8%          | 99.8%            |
| SAU800005     | ECO103620       | 55%      | 98.3%          | 99.8%            |
| SAU800005     | HIN100546       | 56%      | 99.2%          | 99.9%            |
| SAU800005     | HPY100496       | 50%      | 97.0%          | 98.7%            |
| SAU800005     | KPN301149       | 54%      | 64.1%          | 98.3%            |
| SAU800005     | LPN102764       | 58%      | 17.9%          | 95.9%            |
| SAU800005     | LMO100884       | 67%      | 98.4%          | 98.1%            |
| SAU800005     | MCA101384       | 53%      | 97.8%          | 97.8%            |
| SAU800005     | MAV100554       | 54%      | 97.2%          | 97.5%            |
| SAU800005     | MBV104294       | 52%      | 97.2%          | 92.2%            |
| SAU800005     | MLP100005       | 53%      | 97.2%          | 97.6%            |
| SAU800005     | MTU200005       | 52%      | 97.2%          | 92.2%            |
| SAU800005     | MGE100003       | 51%      | 98.3%          | 98.8%            |
| SAU800005     | MPN100151       | 52%      | 98.3%          | 98.8%            |
| SAU800005     | NGO100713       | 51%      | 98.1%          | 90.6%            |
| SAU800005     | NME200053       | 51%      | 98.1%          | 99.1%            |
| SAU800005     | PMU101476       | 56%      | 98.6%          | 99.5%            |
| SAU800005     | PRT102211       | 55%      | 98.3%          | 99.8%            |
| SAU800005     | PAE200004       | 55%      | 98.6%          | 99.5%            |
| SAU800005     | PPU109146       | 53%      | 98.9%          | 100%             |
| SAU800005     | PSY100091       | 54%      | 98.9%          | 100%             |
| SAU800005     | SPA101583       | 53%      | 85.6%          | 90.9%            |
| SAU800005     | STY103968       | 55%      | 98.3%          | 99.8%            |
| SAU800005     | SAU800005       | 100%     | 100%           | 100%             |
| SAU800005     | SEP201276       | 93%      | 99.8%          | 100%             |
| SAU800005     | SHA102259       | 90%      | 100%           | 99.8%            |
| SAU800005     | SMU100247       | 64%      | 97.8%          | 97.7%            |
| SAU800005     | SPN400715       | 64%      | 98.0%          | 98.1%            |
| SAU800005     | SPY200532       | 63%      | 97.8%          | 97.7%            |
| SAU800005     | TPA100996       | 55%      | 97.8%          | 99.2%            |
| SAU800005     | UUR100079       | 53%      | 99.2%          | 99.8%            |
| SAU800005     | VCH100015       | 53%      | 98.3%          | 99.8%            |
| SAU800005     | YPS003447       | 55%      | 98.3%          | 99.8%            |
| SAU800006     | ABA104823       | 47%      | 94.3%          | 99.1%            |
| SAU800006     | BAN112277       | 40%      | 84.0%          | 91.3%            |
| SAU800006     | BAN106794       | 66%      | 92.1%          | 99.0%            |
| SAU800006     | BFR11289        | 53%      | 93.4%          | 98.8%            |
| SAU800006     | BPT100185       | 48%      | 92.6%          | 96.6%            |
| SAU800006     | BBU100434       | 41%      | 90.0%          | 85.9%            |
| SAU800006     | BCE113319       | 49%      | 92.5%          | 76.0%            |
| SAU800006     | BFU109335       | 50%      | 90.6%          | 90.0%            |
| SAU800006     | BMA106049       | 47%      | 90.4%          | 98.7%            |
| SAU800006     | CJU100955       | 46%      | 91.1%          | 97.6%            |
| SAU800006     | CPN200478       | 43%      | 92.0%          | 98.6%            |
| SAU800006     | CTR200454       | 45%      | 91.7%          | 97.7%            |
| SAU800006     | CAC100854       | 56%      | 93.9%          | 99.8%            |
| SAU800006     | CDF100211       | 55%      | 90.2%          | 98.6%            |
| SAU800006     | CDP100031       | 47%      | 93.3%          | 96.6%            |
| SAU800006     | EBC102445       | 49%      | 94.2%          | 98.5%            |
| SAU800006     | EFA200672       | 60%      | 93.9%          | 100%             |
| SAU800006     | EFM200325       | 60%      | 92.7%          | 99.8%            |
| SAU800006     | ECO102189       | 49%      | 93.6%          | 98.3%            |
| SAU800006     | HIN101236       | 46%      | 92.7%          | 99.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800006     | HPY100692       | 49%      | 91.2%          | 97.8%            |
| SAU800006     | KPN302349       | 50%      | 92.1%          | 96.8%            |
| SAU800006     | LPN103370       | 49%      | 92.6%          | 98.7%            |
| SAU800006     | LMO101367       | 61%      | 94.8%          | 99.6%            |
| SAU800006     | MCA100796       | 48%      | 91.0%          | 98.2%            |
| SAU800006     | MAV100556       | 47%      | 92.8%          | 98.3%            |
| SAU800006     | MBV103646       | 47%      | 91.6%          | 97.4%            |
| SAU800006     | MLP100006       | 44%      | 0.2%           | 33.8%            |
| SAU800006     | MTU200006       | 47%      | 91.6%          | 97.4%            |
| SAU800006     | MGE100004       | 50%      | 80.9%          | 97.6%            |
| SAU800006     | MPN100150       | 51%      | 93.7%          | 98.1%            |
| SAU800006     | NGO101035       | 45%      | 92.9%          | 97.8%            |
| SAU800006     | NME201458       | 45%      | 92.9%          | 97.8%            |
| SAU800006     | PMU100841       | 47%      | 92.2%          | 97.4%            |
| SAU800006     | PRT101670       | 49%      | 92.0%          | 97.0%            |
| SAU800006     | PAE203166       | 45%      | 93.6%          | 98.8%            |
| SAU800006     | PPU108315       | 45%      | 95.7%          | 71.8%            |
| SAU800006     | PSY103131       | 44%      | 94.0%          | 98.8%            |
| SAU800006     | SPA102834       | 37%      | 62.5%          | 97.2%            |
| SAU800006     | STY100510       | 49%      | 94.2%          | 98.5%            |
| SAU800006     | SAU800006       | 100%     | 100%           | 100%             |
| SAU800006     | SEP201275       | 87%      | 100%           | 99.7%            |
| SAU800006     | SHA102260       | 85%      | 100%           | 99.7%            |
| SAU800006     | SMU100894       | 60%      | 91.1%          | 98.9%            |
| SAU800006     | SPN401098       | 60%      | 91.1%          | 98.5%            |
| SAU800006     | SPY200879       | 58%      | 92.1%          | 98.8%            |
| SAU800006     | TPA100005       | 45%      | 77.8%          | 97.4%            |
| SAU800006     | UUR100080       | 52%      | 91.7%          | 96.5%            |
| SAU800006     | VCH101239       | 49%      | 91.3%          | 96.9%            |
| SAU800006     | YPS000268       | 48%      | 95.6%          | 98.1%            |
| SAU800008     | ABA106047       | 40%      | 96.5%          | 96.1%            |
| SAU800008     | BAN100051       | 56%      | 95.9%          | 100%             |
| SAU800008     | BAN108783       | 63%      | 95.9%          | 96.4%            |
| SAU800008     | BFR11721        | 41%      | 96.5%          | 98.2%            |
| SAU800008     | BCE114401       | 36%      | 90.4%          | 92.4%            |
| SAU800008     | BFU100706       | 39%      | 95.7%          | 95.3%            |
| SAU800008     | BFU111994       | 40%      | 94.9%          | 95.3%            |
| SAU800008     | BMA100711       | 40%      | 96.1%          | 96.4%            |
| SAU800008     | EBC100806       | 40%      | 89.2%          | 98.9%            |
| SAU800008     | KPN300516       | 36%      | 14.5%          | 79.6%            |
| SAU800008     | KPN301798       | 39%      | 93.5%          | 94.3%            |
| SAU800008     | LPN102112       | 41%      | 93.9%          | 94.5%            |
| SAU800008     | MCA101941       | 41%      | 95.9%          | 95.4%            |
| SAU800008     | PAE205093       | 41%      | 96.5%          | 96.7%            |
| SAU800008     | PPU109294       | 40%      | 96.1%          | 96.1%            |
| SAU800008     | PSY101312       | 41%      | 96.9%          | 95.9%            |
| SAU800008     | SPA101434       | 33%      | 97.5%          | 98.2%            |
| SAU800008     | STY102310       | 39%      | 97.5%          | 98.2%            |
| SAU800008     | STM102069       | 39%      | 97.5%          | 98.2%            |
| SAU800008     | SAU800008       | 100%     | 100%           | 100%             |
| SAU800008     | SPY201596       | 47%      | 93.2%          | 92.2%            |
| SAU800008     | VCH101183       | 39%      | 95.7%          | 95.5%            |
| SAU800008     | YPS002690       | 39%      | 96.7%          | 96.7%            |
| SAU800014     | BAN103775       | 42%      | 91.3%          | 92%              |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800014     | BAN112649       | 47%      | 98.2%          | 98.2%            |
| SAU800014     | BBU100618       | 23%      | 48.1%          | 93.3%            |
| SAU800014     | CAC101737       | 33%      | 98.0%          | 98.2%            |
| SAU800014     | CBO101283       | 34%      | 97.7%          | 97.9%            |
| SAU800014     | CDF102080       | 35%      | 97.6%          | 97.3%            |
| SAU800014     | EFA200659       | 37%      | 97.3%          | 97.6%            |
| SAU800014     | EFM102383       | 32%      | 13.3%          | 82.1%            |
| SAU800014     | EFM100456       | 35%      | 45.3%          | 84.4%            |
| SAU800014     | ECO204605       | 32%      | 16.6%          | 18.9%            |
| SAU800014     | LMO101408       | 46%      | 97.6%          | 97.9%            |
| SAU800014     | NGO100730       | 31%      | 10.4%          | 25.4%            |
| SAU800014     | SAU800014       | 100%     | 100%           | 100%             |
| SAU800014     | SEP201250       | 86%      | 100%           | 100%             |
| SAU800014     | SHA102268       | 86%      | 100%           | 99.1%            |
| SAU800014     | SMU101354       | 32%      | 97.6%          | 98.5%            |
| SAU800014     | SPN402007       | 32%      | 98.6%          | 99.4%            |
| SAU800014     | SPY201669       | 31%      | 94.8%          | 95.4%            |
| SAU800014     | TPA100432       | 25%      | 51.6%          | 91.9%            |
| SAU800015     | ABA101589       | 32%      | 100%           | 100%             |
| SAU800015     | BAN106894       | 52%      | 90.5%          | 100%             |
| SAU800015     | BAN102021       | 57%      | 100%           | 100%             |
| SAU800015     | BFR100594       | 30%      | 100%           | 100%             |
| SAU800015     | BPT101383       | 32%      | 96.6%          | 95.4%            |
| SAU800015     | BBU100112       | 31%      | 96.6%          | 82.7%            |
| SAU800015     | BCE105322       | 27%      | 98.6%          | 97.3%            |
| SAU800015     | BFU105903       | 32%      | 98.0%          | 90%              |
| SAU800015     | BMA104683       | 29%      | 98.6%          | 97.3%            |
| SAU800015     | CJU100620       | 40%      | 97.3%          | 97.3%            |
| SAU800015     | CPN200889       | 27%      | 95.9%          | 84.0%            |
| SAU800015     | CTR200181       | 25%      | 95.9%          | 85.0%            |
| SAU800015     | CAC102107       | 40%      | 96.6%          | 96.6%            |
| SAU800015     | CBO101031       | 36%      | 100%           | 100%             |
| SAU800015     | CDF103514       | 47%      | 100%           | 99.3%            |
| SAU800015     | CDP100781       | 35%      | 98.6%          | 98.7%            |
| SAU800015     | EBC103609       | 32%      | 100%           | 100%             |
| SAU800015     | EFA200658       | 54%      | 100%           | 100%             |
| SAU800015     | EFM100758       | 57%      | 100%           | 100%             |
| SAU800015     | ECO104093       | 32%      | 100%           | 100%             |
| SAU800015     | HIN100523       | 31%      | 100%           | 100%             |
| SAU800015     | HPY100509       | 34%      | 100%           | 99.3%            |
| SAU800015     | KPN300648       | 32%      | 100%           | 100%             |
| SAU800015     | LPN100854       | 31%      | 98.6%          | 98.0%            |
| SAU800015     | LMO101215       | 58%      | 100%           | 100%             |
| SAU800015     | MCA101347       | 32%      | 96.6%          | 89.9%            |
| SAU800015     | MAV101550       | 34%      | 100%           | 99.3%            |
| SAU800015     | MBV104721       | 32%      | 100%           | 99.3%            |
| SAU800015     | MLP101582       | 32%      | 98.6%          | 98.0%            |
| SAU800015     | MTU200056       | 32%      | 100%           | 99.3%            |
| SAU800015     | MGE100095       | 28%      | 96.6%          | 93.3%            |
| SAU800015     | MPN100600       | 40%      | 66.2%          | 65.1%            |
| SAU800015     | NGO100185       | 33%      | 98.0%          | 90%              |
| SAU800015     | NME201393       | 32%      | 98.6%          | 97.3%            |
| SAU800015     | PMU101177       | 31%      | 100%           | 100%             |
| SAU800015     | PRT102059       | 32%      | 81.8%          | 81.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800015     | PAE204927       | 33%      | 100%           | 100%             |
| SAU800015     | PPU106686       | 34%      | 98.6%          | 98.6%            |
| SAU800015     | PSY101034       | 37%      | 98.6%          | 98.6%            |
| SAU800015     | SPA102210       | 31%      | 100%           | 100%             |
| SAU800015     | STY103815       | 31%      | 100%           | 100%             |
| SAU800015     | STM103622       | 32%      | 100%           | 100%             |
| SAU800015     | SAU800015       | 100%     | 100%           | 100%             |
| SAU800015     | SEP201248       | 89%      | 100%           | 100%             |
| SAU800015     | SHA102269       | 87%      | 100%           | 100%             |
| SAU800015     | SMU101352       | 44%      | 99.3%          | 99.3%            |
| SAU800015     | SPN402006       | 45%      | 99.3%          | 99.3%            |
| SAU800015     | SPY201668       | 44%      | 99.3%          | 99.3%            |
| SAU800015     | TPA100059       | 29%      | 96.6%          | 91.7%            |
| SAU800015     | UUR100557       | 32%      | 98.6%          | 97.2%            |
| SAU800015     | VCH100364       | 32%      | 100%           | 100%             |
| SAU800015     | YPS002201       | 30%      | 100%           | 99.3%            |
| SAU800016     | ABA101586       | 37%      | 96.1%          | 91.1%            |
| SAU800016     | BAN111855       | 35%      | 85.4%          | 93.3%            |
| SAU800016     | BAN105948       | 38%      | 95.5%          | 98.6%            |
| SAU800016     | BAN101294       | 51%      | 97.4%          | 96.7%            |
| SAU800016     | BAN104072       | 58%      | 97.4%          | 96.5%            |
| SAU800016     | BFR11917        | 39%      | 96.4%          | 85.4%            |
| SAU800016     | BPT101379       | 43%      | 95.5%          | 94.7%            |
| SAU800016     | BBU100111       | 33%      | 98.3%          | 98.9%            |
| SAU800016     | BCE102809       | 44%      | 95.5%          | 94.1%            |
| SAU800016     | BFU105906       | 45%      | 95.5%          | 93.9%            |
| SAU800016     | BMA103068       | 44%      | 95.5%          | 94.1%            |
| SAU800016     | CJU100524       | 34%      | 95.1%          | 95.6%            |
| SAU800016     | CPN200129       | 38%      | 95.5%          | 95.3%            |
| SAU800016     | CTR200773       | 37%      | 95.7%          | 94.7%            |
| SAU800016     | CAC101778       | 47%      | 97.6%          | 98.4%            |
| SAU800016     | CBO103493       | 46%      | 97.6%          | 98.4%            |
| SAU800016     | CDF103355       | 47%      | 95.9%          | 96.4%            |
| SAU800016     | CDP100780       | 39%      | 97.9%          | 87.0%            |
| SAU800016     | EBC104210       | 45%      | 95.5%          | 92.1%            |
| SAU800016     | EFA200657       | 54%      | 98.3%          | 98.7%            |
| SAU800016     | EFM100759       | 55%      | 98.3%          | 97.2%            |
| SAU800016     | ECO103946       | 44%      | 95.5%          | 91.9%            |
| SAU800016     | HIN101542       | 42%      | 96.1%          | 86.9%            |
| SAU800016     | HPY101343       | 34%      | 98.3%          | 95.7%            |
| SAU800016     | KPN306469       | 45%      | 95.5%          | 91.9%            |
| SAU800016     | LPN101135       | 45%      | 96.6%          | 94.8%            |
| SAU800016     | LMO102241       | 59%      | 100%           | 99.8%            |
| SAU800016     | MCA100313       | 37%      | 96.6%          | 86.9%            |
| SAU800016     | MAV101552       | 43%      | 4.1%           | 38.6%            |
| SAU800016     | MBV106229       | 36%      | 96.6%          | 97.3%            |
| SAU800016     | MLP101581       | 44%      | 4.1%           | 21.0%            |
| SAU800016     | MTU200058       | 36%      | 96.6%          | 97.3%            |
| SAU800016     | MGE100096       | 30%      | 89.7%          | 93.3%            |
| SAU800016     | MPN100599       | 28%      | 95.5%          | 94.5%            |
| SAU800016     | NGO101104       | 42%      | 96.6%          | 93.8%            |
| SAU800016     | NME201018       | 42%      | 96.6%          | 93.8%            |
| SAU800016     | PMU100412       | 41%      | 96.1%          | 93.8%            |
| SAU800016     | PRT101881       | 44%      | 95.5%          | 96.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800016     | PAE204926       | 44%      | 96.1%          | 93.5%            |
| SAU800016     | PPU106689       | 44%      | 96.1%          | 92.9%            |
| SAU800016     | PSY101032       | 43%      | 96.1%          | 93.5%            |
| SAU800016     | SPA102883       | 45%      | 95.5%          | 91.9%            |
| SAU800016     | STY102408       | 37%      | 97.9%          | 97.1%            |
| SAU800016     | STY101949       | 45%      | 95.5%          | 91.9%            |
| SAU800016     | STM102807       | 45%      | 95.5%          | 91.9%            |
| SAU800016     | SAU800016       | 100%     | 100%           | 100%             |
| SAU800016     | SEP201246       | 96%      | 99.8%          | 99.8%            |
| SAU800016     | SHA102270       | 93%      | 99.8%          | 99.8%            |
| SAU800016     | SMU101349       | 51%      | 98.3%          | 98.7%            |
| SAU800016     | SPN402005       | 51%      | 99.4%          | 100%             |
| SAU800016     | SPY201667       | 50%      | 97.2%          | 97.1%            |
| SAU800016     | TPA100057       | 36%      | 95.5%          | 95.2%            |
| SAU800016     | UUR100556       | 29%      | 89.1%          | 91.6%            |
| SAU800016     | VCH100366       | 42%      | 95.5%          | 92.5%            |
| SAU800016     | YPS002809       | 44%      | 97.4%          | 94.7%            |
| SAU800017     | ABA106107       | 44%      | 98.8%          | 98.2%            |
| SAU800017     | BAN104023       | 62%      | 98.8%          | 98.6%            |
| SAU800017     | BAN101360       | 70%      | 100%           | 99.5%            |
| SAU800017     | BFR102108       | 44%      | 97.4%          | 97.4%            |
| SAU800017     | BPT103146       | 44%      | 98.8%          | 98.1%            |
| SAU800017     | BCE101676       | 45%      | 98.8%          | 96.2%            |
| SAU800017     | BFU102358       | 46%      | 98.8%          | 96.2%            |
| SAU800017     | BMA104986       | 45%      | 98.8%          | 96.2%            |
| SAU800017     | CJU101414       | 44%      | 98.1%          | 98.8%            |
| SAU800017     | CAC103277       | 54%      | 98.4%          | 98.6%            |
| SAU800017     | CBO102268       | 52%      | 99.8%          | 100%             |
| SAU800017     | CDF102916       | 50%      | 100%           | 99.1%            |
| SAU800017     | CDP101311       | 45%      | 98.4%          | 97.9%            |
| SAU800017     | EBC103623       | 46%      | 99.3%          | 95.5%            |
| SAU800017     | EFA200656       | 69%      | 100%           | 99.3%            |
| SAU800017     | EFM100567       | 71%      | 100%           | 97.7%            |
| SAU800017     | ECO104067       | 46%      | 99.3%          | 98.6%            |
| SAU800017     | HIN101599       | 46%      | 99.1%          | 98.4%            |
| SAU800017     | HPY100251       | 43%      | 98.1%          | 99.3%            |
| SAU800017     | KPN300264       | 53%      | 33.7%          | 83.8%            |
| SAU800017     | KPN302196       | 46%      | 99.3%          | 98.6%            |
| SAU800017     | LPN102500       | 44%      | 98.8%          | 98.4%            |
| SAU800017     | LMO101711       | 66%      | 100%           | 99.3%            |
| SAU800017     | MCA101104       | 47%      | 99.1%          | 98.4%            |
| SAU800017     | MAV103737       | 48%      | 99.8%          | 98.8%            |
| SAU800017     | MBV102172       | 47%      | 99.8%          | 98.8%            |
| SAU800017     | MLP100193       | 48%      | 98.4%          | 97.5%            |
| SAU800017     | MTU200356       | 47%      | 99.8%          | 98.8%            |
| SAU800017     | NGO100907       | 47%      | 98.6%          | 98.1%            |
| SAU800017     | NME200946       | 47%      | 98.6%          | 98.1%            |
| SAU800017     | PMU100938       | 45%      | 99.1%          | 98.4%            |
| SAU800017     | PRT105923       | 46%      | 99.1%          | 97.5%            |
| SAU800017     | PAE204933       | 46%      | 98.8%          | 98.4%            |
| SAU800017     | PPU112346       | 47%      | 98.8%          | 98.4%            |
| SAU800017     | PSY101050       | 46%      | 98.8%          | 98.4%            |
| SAU800017     | SPA101108       | 46%      | 84.3%          | 98.4%            |
| SAU800017     | STY103762       | 47%      | 99.3%          | 98.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800017     | STM103540       | 47%      | 99.3%          | 98.6%            |
| SAU800017     | SAU800017       | 100%     | 100%           | 100%             |
| SAU800017     | SEP201244       | 92%      | 100%           | 100%             |
| SAU800017     | SHA102271       | 94%      | 92.5%          | 100%             |
| SAU800017     | SMU101546       | 67%      | 100%           | 96.8%            |
| SAU800017     | SPN400021       | 68%      | 100%           | 99.8%            |
| SAU800017     | SPY200117       | 69%      | 100%           | 99.3%            |
| SAU800017     | VCH102565       | 46%      | 98.1%          | 97.5%            |
| SAU800017     | YPS003531       | 46%      | 99.1%          | 98.4%            |
| SAU800018     | ABA101702       | 42%      | 95.3%          | 92.9%            |
| SAU800018     | BAN102017       | 66%      | 99.1%          | 99.1%            |
| SAU800018     | BAN108755       | 74%      | 99.1%          | 98.7%            |
| SAU800018     | BCE115095       | 42%      | 98.3%          | 84.9%            |
| SAU800018     | BFU109627       | 43%      | 98.3%          | 93.1%            |
| SAU800018     | BMA108791       | 38%      | 95.3%          | 92.6%            |
| SAU800018     | CJU101186       | 32%      | 95.7%          | 97.8%            |
| SAU800018     | CJU101152       | 37%      | 96.6%          | 98.7%            |
| SAU800018     | CBO101454       | 53%      | 95.3%          | 95.7%            |
| SAU800018     | CDF101977       | 43%      | 98.3%          | 100%             |
| SAU800018     | CDP100744       | 47%      | 94.9%          | 96.9%            |
| SAU800018     | EFA200733       | 70%      | 98.3%          | 98.7%            |
| SAU800018     | EFM200129       | 72%      | 98.3%          | 88.5%            |
| SAU800018     | HIN100864       | 37%      | 95.3%          | 95.3%            |
| SAU800018     | KPN302148       | 43%      | 96.6%          | 95.4%            |
| SAU800018     | LMO101754       | 75%      | 98.3%          | 97.9%            |
| SAU800018     | MAV103024       | 46%      | 96.2%          | 98.2%            |
| SAU800018     | MBV102356       | 46%      | 98.7%          | 99.6%            |
| SAU800018     | MLP100469       | 45%      | 96.6%          | 96.5%            |
| SAU800018     | MTU200489       | 46%      | 96.2%          | 98.2%            |
| SAU800018     | SAU800018       | 100%     | 100%           | 100%             |
| SAU800018     | SEP201243       | 97%      | 99.1%          | 97.5%            |
| SAU800018     | SHA101255       | 96%      | 100%           | 98.7%            |
| SAU800018     | SMU100506       | 64%      | 98.3%          | 99.6%            |
| SAU800018     | SPN401106       | 62%      | 97.9%          | 92.4%            |
| SAU800018     | SPY200378       | 63%      | 98.3%          | 99.6%            |
| SAU800019     | BAN110824       | 36%      | 99.8%          | 100%             |
| SAU800019     | BAN102960       | 47%      | 99.8%          | 100%             |
| SAU800019     | CPN200162       | 23%      | 56.7%          | 89.3%            |
| SAU800019     | CTR200741       | 22%      | 57.7%          | 95.2%            |
| SAU800019     | CAC103503       | 29%      | 96.2%          | 99.1%            |
| SAU800019     | EFA200731       | 42%      | 98.8%          | 98.5%            |
| SAU800019     | EFM202051       | 41%      | 98.7%          | 98.7%            |
| SAU800019     | ECO102177       | 22%      | 98.2%          | 98.0%            |
| SAU800019     | LPN101514       | 23%      | 59.0%          | 87.8%            |
| SAU800019     | LPN102152       | 34%      | 38.7%          | 76.6%            |
| SAU800019     | LMO102502       | 47%      | 99.8%          | 100%             |
| SAU800019     | MAV106497       | 35%      | 38.2%          | 45.8%            |
| SAU800019     | NGO101717       | 22%      | 67.9%          | 59.9%            |
| SAU800019     | NME200153       | 22%      | 67.9%          | 59.9%            |
| SAU800019     | PAE205479       | 29%      | 67.9%          | 70.3%            |
| SAU800019     | PPU102000       | 28%      | 66.6%          | 70.0%            |
| SAU800019     | PSY103050       | 28%      | 72.9%          | 75.6%            |
| SAU800019     | SAU800019       | 100%     | 100%           | 100%             |
| SAU800019     | SEP201242       | 91%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800019     | SHA101256       | 87%      | 100%           | 99.8%            |
| SAU800019     | SMU100503       | 43%      | 64.0%          | 98.8%            |
| SAU800019     | SPN401105       | 41%      | 68.6%          | 96.0%            |
| SAU800019     | SPY200379       | 40%      | 67.6%          | 93.8%            |
| SAU800019     | VCH101329       | 29%      | 52.0%          | 25.6%            |
| SAU800020     | BAN113545       | 23%      | 94.3%          | 93.8%            |
| SAU800020     | EFA200729       | 21%      | 55.6%          | 82.9%            |
| SAU800020     | EFM201123       | 22%      | 97.1%          | 97.5%            |
| SAU800020     | LMO101615       | 23%      | 96.7%          | 98.0%            |
| SAU800020     | SAU800020       | 100%     | 100%           | 100%             |
| SAU800020     | SEP202519       | 70%      | 98.0%          | 100%             |
| SAU800020     | SHA102220       | 60%      | 100%           | 97.4%            |
| SAU800023     | ABA101054       | 25%      | 61.5%          | 86.7%            |
| SAU800023     | BAN104503       | 24%      | 63.9%          | 90.8%            |
| SAU800023     | BAN109818       | 24%      | 65.5%          | 95.0%            |
| SAU800023     | BAN100600       | 25%      | 63.9%          | 89.4%            |
| SAU800023     | BAN112588       | 26%      | 68.1%          | 95.5%            |
| SAU800023     | BFR104387       | 26%      | 62.1%          | 83.7%            |
| SAU800023     | CDF103778       | 31%      | 61.2%          | 71.5%            |
| SAU800023     | CDP100957       | 36%      | 6.3%           | 16.4%            |
| SAU800023     | EBC101030       | 26%      | 60.8%          | 90.8%            |
| SAU800023     | EFA200169       | 44%      | 67.9%          | 5.6%             |
| SAU800023     | ECO100471       | 27%      | 66.3%          | 94%              |
| SAU800023     | HIN100196       | 34%      | 17.1%          | 28.2%            |
| SAU800023     | KPN305776       | 28%      | 61.2%          | 87.9%            |
| SAU800023     | LPN103544       | 23%      | 61.7%          | 87.3%            |
| SAU800023     | LMO100759       | 22%      | 78.3%          | 77.2%            |
| SAU800023     | PMU101193       | 25%      | 63.7%          | 90.2%            |
| SAU800023     | PRT104827       | 28%      | 40.9%          | 85.5%            |
| SAU800023     | PPU103357       | 22%      | 64.5%          | 96.0%            |
| SAU800023     | SPA103024       | 27%      | 64.1%          | 99.2%            |
| SAU800023     | STY103100       | 27%      | 64.1%          | 92.1%            |
| SAU800023     | STM101988       | 27%      | 64.1%          | 92.1%            |
| SAU800023     | SAU800023       | 100%     | 100%           | 100%             |
| SAU800023     | SHA101061       | 51%      | 56.8%          | 76.8%            |
| SAU800023     | SMU101041       | 38%      | 83.3%          | 90.2%            |
| SAU800023     | SPY200647       | 23%      | 57.3%          | 66.9%            |
| SAU800023     | TPA100103       | 31%      | 61.3%          | 87.0%            |
| SAU800023     | VCH102141       | 29%      | 66.1%          | 91.9%            |
| SAU800024     | ABA104180       | 37%      | 100%           | 99.4%            |
| SAU800024     | BAN106733       | 64%      | 23.3%          | 92.5%            |
| SAU800024     | BAN110141       | 61%      | 100%           | 100%             |
| SAU800024     | BFR102319       | 34%      | 99.4%          | 98.7%            |
| SAU800024     | BPT100829       | 32%      | 100%           | 99.4%            |
| SAU800024     | BCE104653       | 34%      | 100%           | 99.4%            |
| SAU800024     | BFU107810       | 34%      | 100%           | 99.4%            |
| SAU800024     | BMA107260       | 34%      | 100%           | 99.4%            |
| SAU800024     | CJU100115       | 30%      | 100%           | 97.4%            |
| SAU800024     | CAC100551       | 56%      | 100%           | 100%             |
| SAU800024     | CBO102082       | 55%      | 100%           | 100%             |
| SAU800024     | CDF103247       | 57%      | 100%           | 100%             |
| SAU800024     | EBC100948       | 30%      | 100%           | 99.4%            |
| SAU800024     | EFA202056       | 60%      | 100%           | 100%             |
| SAU800024     | EFM201982       | 59%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800024     | ECO100626       | 30%      | 100%           | 99.4%            |
| SAU800024     | HIN100032       | 32%      | 100%           | 99.4%            |
| SAU800024     | HPY100933       | 36%      | 40.9%          | 42.7%            |
| SAU800024     | KPN302693       | 30%      | 100%           | 99.4%            |
| SAU800024     | LPN100591       | 32%      | 100%           | 99.4%            |
| SAU800024     | LMO102329       | 61%      | 100%           | 100%             |
| SAU800024     | MCA103094       | 35%      | 100%           | 98.8%            |
| SAU800024     | NGO100062       | 33%      | 100%           | 99.4%            |
| SAU800024     | NME200389       | 33%      | 100%           | 99.4%            |
| SAU800024     | PMU101923       | 32%      | 100%           | 99.4%            |
| SAU800024     | PRT102879       | 29%      | 100%           | 99.4%            |
| SAU800024     | PAE204001       | 31%      | 100%           | 100%             |
| SAU800024     | PPU107574       | 31%      | 100%           | 100%             |
| SAU800024     | PSY105093       | 32%      | 100%           | 100%             |
| SAU800024     | SPA102528       | 27%      | 100%           | 99.4%            |
| SAU800024     | STY101458       | 31%      | 100%           | 99.4%            |
| SAU800024     | SAU800024       | 100%     | 100%           | 100%             |
| SAU800024     | SEP201224       | 91%      | 100%           | 100%             |
| SAU800024     | SHA100443       | 91%      | 58.5%          | 100%             |
| SAU800024     | SMU101420       | 52%      | 100%           | 100%             |
| SAU800024     | SPN402041       | 49%      | 100%           | 100%             |
| SAU800024     | SPY201694       | 43%      | 100%           | 100%             |
| SAU800024     | UUR100180       | 44%      | 100%           | 100%             |
| SAU800024     | VCH100935       | 31%      | 100%           | 99.4%            |
| SAU800024     | YPS001189       | 30%      | 100%           | 99.4%            |
| SAU800089     | ABA106085       | 29%      | 95.4%          | 94.1%            |
| SAU800089     | BAN101318       | 73%      | 96.6%          | 99.4%            |
| SAU800089     | BAN112435       | 76%      | 97.9%          | 97.6%            |
| SAU800089     | BFR104875       | 32%      | 39.3%          | 63.7%            |
| SAU800089     | BFR10738        | 32%      | 92.7%          | 95.4%            |
| SAU800089     | BPT102519       | 26%      | 93.9%          | 91.5%            |
| SAU800089     | BBU100736       | 36%      | 92.7%          | 93.4%            |
| SAU800089     | BCE104972       | 26%      | 66.5%          | 93.1%            |
| SAU800089     | BFU100162       | 25%      | 91.2%          | 90.3%            |
| SAU800089     | BMA104738       | 24%      | 94.5%          | 89.5%            |
| SAU800089     | CJU100112       | 27%      | 93.3%          | 96.8%            |
| SAU800089     | CPN201085       | 25%      | 96.6%          | 95.5%            |
| SAU800089     | CTR200013       | 25%      | 95.4%          | 95.2%            |
| SAU800089     | CAC100186       | 27%      | 91.8%          | 94.4%            |
| SAU800089     | CBO101987       | 27%      | 86.9%          | 88.9%            |
| SAU800089     | CDF101018       | 28%      | 91.8%          | 94.1%            |
| SAU800089     | CDP100474       | 27%      | 91.8%          | 82.8%            |
| SAU800089     | EBC104218       | 27%      | 75.6%          | 75.5%            |
| SAU800089     | EFA201439       | 69%      | 97.3%          | 98.5%            |
| SAU800089     | EFM201490       | 70%      | 97.3%          | 97.6%            |
| SAU800089     | ECO102099       | 27%      | 68.6%          | 72.4%            |
| SAU800089     | HIN100960       | 26%      | 92.1%          | 92.1%            |
| SAU800089     | HPY100715       | 26%      | 93.3%          | 92.1%            |
| SAU800089     | KPN309050       | 29%      | 75%            | 74.8%            |
| SAU800089     | LPN103541       | 29%      | 69.2%          | 81.7%            |
| SAU800089     | LMO100193       | 27%      | 93.9%          | 94.0%            |
| SAU800089     | MCA101168       | 26%      | 86.9%          | 90.1%            |
| SAU800089     | MCA101483       | 26%      | 91.8%          | 88.9%            |
| SAU800089     | MAV105445       | 28%      | 95.4%          | 86.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800089     | MBV101887       | 27%      | 94.5%          | 85.7%            |
| SAU800089     | MLP101304       | 26%      | 77.4%          | 68.8%            |
| SAU800089     | MTU200817       | 27%      | 94.5%          | 83.0%            |
| SAU800089     | NGO101916       | 30%      | 71.3%          | 68.9%            |
| SAU800089     | NME201493       | 31%      | 71.3%          | 68.5%            |
| SAU800089     | PMU101087       | 28%      | 69.2%          | 66.2%            |
| SAU800089     | PRT101632       | 28%      | 65.9%          | 73%              |
| SAU800089     | PAE204847       | 28%      | 93.0%          | 92.5%            |
| SAU800089     | PPU103018       | 26%      | 94.2%          | 93.5%            |
| SAU800089     | PSY101826       | 27%      | 93.0%          | 91.1%            |
| SAU800089     | SPA103518       | 28%      | 73.8%          | 73.5%            |
| SAU800089     | STY104235       | 28%      | 68.6%          | 73.1%            |
| SAU800089     | STM102801       | 28%      | 73.8%          | 73.5%            |
| SAU800089     | SAU800089       | 100%     | 100%           | 100%             |
| SAU800089     | SEP200539       | 92%      | 97.9%          | 98.5%            |
| SAU800089     | SHA100223       | 87%      | 98.5%          | 100%             |
| SAU800089     | SMU101401       | 25%      | 89.6%          | 91.4%            |
| SAU800089     | SPN401991       | 26%      | 95.1%          | 96.7%            |
| SAU800089     | SPY200089       | 26%      | 91.5%          | 93.2%            |
| SAU800089     | TPA100970       | 23%      | 90.5%          | 90.6%            |
| SAU800089     | VCH101086       | 23%      | 93.9%          | 96.0%            |
| SAU800089     | YPS002805       | 28%      | 89.3%          | 86.7%            |
| SAU800101     | ABA100607       | 37%      | 13.8%          | 36.4%            |
| SAU800101     | BAN105723       | 37%      | 13.6%          | 35.9%            |
| SAU800101     | BAN106551       | 38%      | 13.6%          | 34.5%            |
| SAU800101     | BFR105453       | 33%      | 14.5%          | 37.5%            |
| SAU800101     | BPT102213       | 35%      | 12.5%          | 31.6%            |
| SAU800101     | BCE107905       | 34%      | 13.8%          | 43.5%            |
| SAU800101     | BFU110451       | 34%      | 13.3%          | 31.9%            |
| SAU800101     | BMA104183       | 30%      | 13.4%          | 34.0%            |
| SAU800101     | CJU100970       | 35%      | 11.4%          | 28.7%            |
| SAU800101     | CAC103561       | 25%      | 31.1%          | 82.7%            |
| SAU800101     | CBO103752       | 19%      | 93.2%          | 91.7%            |
| SAU800101     | CDF104394       | 31%      | 12.9%          | 33.6%            |
| SAU800101     | CDF104017       | 24%      | 21.7%          | 52.2%            |
| SAU800101     | CDF101185       | 24%      | 21.7%          | 90.6%            |
| SAU800101     | EBC107735       | 26%      | 30.3%          | 33.1%            |
| SAU800101     | EFA201221       | 24%      | 31.5%          | 81.0%            |
| SAU800101     | EFM201424       | 26%      | 31.4%          | 77.1%            |
| SAU800101     | ECO100064       | 21%      | 31.5%          | 80.8%            |
| SAU800101     | HIN101030       | 25%      | 16.4%          | 41.9%            |
| SAU800101     | HPY101335       | 20%      | 20.1%          | 20.5%            |
| SAU800101     | KPN302720       | 23%      | 75.0%          | 74.3%            |
| SAU800101     | LPN102930       | 34%      | 12.5%          | 34.6%            |
| SAU800101     | LMO102225       | 24%      | 99.1%          | 99.1%            |
| SAU800101     | MBV102878       | 26%      | 13.3%          | 37.3%            |
| SAU800101     | MTU203778       | 26%      | 13.3%          | 37.3%            |
| SAU800101     | NGO101394       | 27%      | 11.4%          | 28.6%            |
| SAU800101     | NME201642       | 25%      | 11.4%          | 28.2%            |
| SAU800101     | PMU101524       | 25%      | 20.5%          | 46.1%            |
| SAU800101     | PAE202335       | 29%      | 13.7%          | 33.9%            |
| SAU800101     | PPU101069       | 32%      | 12.8%          | 36.2%            |
| SAU800101     | PSY102550       | 34%      | 13.4%          | 33.2%            |
| SAU800101     | SPA101204       | 22%      | 31.5%          | 84.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800101     | STY103330       | 29%      | 20.7%          | 52.3%            |
| SAU800101     | STM100965       | 22%      | 31.5%          | 84.0%            |
| SAU800101     | SAU800101       | 100%     | 100%           | 100%             |
| SAU800101     | SHA102705       | 31%      | 96.6%          | 97.2%            |
| SAU800101     | SPN401712       | 23%      | 31.0%          | 81.8%            |
| SAU800101     | VCH102965       | 23%      | 19.2%          | 40.8%            |
| SAU800101     | YPS000030       | 25%      | 18.3%          | 47.8%            |
| SAU800106     | BFU104263       | 42%      | 7.6%           | 64.3%            |
| SAU800106     | BFU101460       | 35%      | 21.3%          | 76.6%            |
| SAU800106     | BFU103016       | 39%      | 92.4%          | 91.3%            |
| SAU800106     | CBO100573       | 51%      | 99.2%          | 95.3%            |
| SAU800106     | EFA200735       | 61%      | 100%           | 100%             |
| SAU800106     | EFM200200       | 30%      | 85.6%          | 95.2%            |
| SAU800106     | HPY101230       | 32%      | 12.5%          | 20.9%            |
| SAU800106     | LMO101052       | 39%      | 88.7%          | 90.6%            |
| SAU800106     | SAU800106       | 100%     | 100%           | 100%             |
| SAU800106     | SEP202417       | 76%      | 100%           | 100%             |
| SAU800106     | SHA102491       | 81%      | 100%           | 100%             |
| SAU800106     | SMU101074       | 59%      | 100%           | 100%             |
| SAU800106     | SPY200337       | 60%      | 100%           | 100%             |
| SAU800111     | ABA103926       | 42%      | 13.6%          | 32.3%            |
| SAU800111     | BCE111873       | 27%      | 14.9%          | 56.0%            |
| SAU800111     | BCE105553       | 26%      | 28.7%          | 81.3%            |
| SAU800111     | BCE108028       | 33%      | 17.8%          | 50.9%            |
| SAU800111     | BCE103665       | 28%      | 20.4%          | 80.7%            |
| SAU800111     | BFU112738       | 32%      | 19.3%          | 17%              |
| SAU800111     | PPU108082       | 34%      | 12.2%          | 38.8%            |
| SAU800111     | SAU800111       | 100%     | 100%           | 100%             |
| SAU800111     | SAU802418       | 28%      | 49.8%          | 37.9%            |
| SAU800111     | YPS003752       | 27%      | 13.8%          | 40.1%            |
| SAU800116     | MTU200839       | 33%      | 91.4%          | 80.4%            |
| SAU800116     | PSY105386       | 38%      | 96.0%          | 43.7%            |
| SAU800116     | SAU800116       | 100%     | 100%           | 100%             |
| SAU800117     | BAN104255       | 28%      | 81.0%          | 83.4%            |
| SAU800117     | BAN112876       | 29%      | 81.0%          | 83.7%            |
| SAU800117     | BPT101971       | 22%      | 89.6%          | 92.4%            |
| SAU800117     | BCE105508       | 25%      | 72.9%          | 67.6%            |
| SAU800117     | BFU115722       | 25%      | 91.4%          | 91.0%            |
| SAU800117     | BMA100060       | 21%      | 36.6%          | 37.1%            |
| SAU800117     | CBO100830       | 24%      | 98.5%          | 100%             |
| SAU800117     | CDF100177       | 28%      | 97.0%          | 98.5%            |
| SAU800117     | EFA202411       | 30%      | 78.9%          | 82.9%            |
| SAU800117     | EFM200390       | 25%      | 83.6%          | 85.7%            |
| SAU800117     | LPN102879       | 25%      | 97.6%          | 98.1%            |
| SAU800117     | PAE204903       | 25%      | 69.9%          | 75.8%            |
| SAU800117     | PPU110483       | 25%      | 69.6%          | 74.3%            |
| SAU800117     | SAU800117       | 100%     | 100%           | 100%             |
| SAU800117     | SEP200076       | 27%      | 88.4%          | 92.4%            |
| SAU800117     | SHA101395       | 28%      | 95.5%          | 96.9%            |
| SAU800117     | YPS003420       | 24%      | 70.8%          | 75.1%            |
| SAU800118     | ABA105815       | 33%      | 76.9%          | 73.0%            |
| SAU800118     | SAU800118       | 100%     | 100%           | 100%             |
| SAU800120     | ABA104196       | 25%      | 85.3%          | 82.2%            |
| SAU800120     | BAN102511       | 23%      | 74.2%          | 74.2%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800120     | BAN103093       | 26%      | 69.0%          | 96.5%            |
| SAU800120     | EBC100509       | 25%      | 44.1%          | 87.8%            |
| SAU800120     | KPN104635       | 24%      | 95.3%          | 97.0%            |
| SAU800120     | SAU800120       | 100%     | 100%           | 100%             |
| SAU800122     | BPT100949       | 33%      | 68.7%          | 100%             |
| SAU800122     | BCE103649       | 32%      | 68.0%          | 87.6%            |
| SAU800122     | BFU103146       | 30%      | 97.7%          | 94.8%            |
| SAU800122     | BMA104232       | 34%      | 75.3%          | 77.0%            |
| SAU800122     | EBC104066       | 28%      | 91.5%          | 91.8%            |
| SAU800122     | ECO103058       | 29%      | 91.5%          | 91.8%            |
| SAU800122     | KPN301969       | 28%      | 91.5%          | 91.8%            |
| SAU800122     | MAV103471       | 26%      | 79.9%          | 87.0%            |
| SAU800122     | MAV105384       | 28%      | 88.0%          | 90.2%            |
| SAU800122     | PMU101535       | 27%      | 92.3%          | 89.8%            |
| SAU800122     | PAE204125       | 26%      | 91.9%          | 88.8%            |
| SAU800122     | SPA103576       | 31%      | 88.8%          | 86.1%            |
| SAU800122     | STY100924       | 30%      | 91.5%          | 91.8%            |
| SAU800122     | STM102234       | 26%      | 78.8%          | 77.6%            |
| SAU800122     | SAU800122       | 100%     | 100%           | 100%             |
| SAU800122     | YPS001253       | 29%      | 59.1%          | 57.1%            |
| SAU800123     | BCE100467       | 34%      | 36.5%          | 64.0%            |
| SAU800123     | BFU107173       | 28%      | 95.2%          | 94.3%            |
| SAU800123     | SAU800123       | 100%     | 100%           | 100%             |
| SAU800138     | BAN109977       | 62%      | 91.8%          | 100%             |
| SAU800138     | BAN102250       | 64%      | 95.9%          | 95.1%            |
| SAU800138     | BFR12234        | 34%      | 72.3%          | 56.4%            |
| SAU800138     | BCE105592       | 55%      | 56.4%          | 96.1%            |
| SAU800138     | BFU103022       | 31%      | 68.6%          | 47.6%            |
| SAU800138     | BFU108762       | 30%      | 72.3%          | 50%              |
| SAU800138     | BMA104956       | 36%      | 89.5%          | 78.8%            |
| SAU800138     | CAC100384       | 63%      | 95.9%          | 98.6%            |
| SAU800138     | CBO100256       | 58%      | 96.4%          | 100%             |
| SAU800138     | CDF100310       | 48%      | 98.2%          | 97.7%            |
| SAU800138     | CDP101627       | 45%      | 94.5%          | 94.5%            |
| SAU800138     | EBC103572       | 33%      | 90.9%          | 82.6%            |
| SAU800138     | EFA202355       | 63%      | 96.8%          | 97.3%            |
| SAU800138     | EFM201549       | 62%      | 96.8%          | 97.3%            |
| SAU800138     | ECO104267       | 34%      | 90.9%          | 82.2%            |
| SAU800138     | HIN101089       | 55%      | 95.9%          | 94.2%            |
| SAU800138     | KPN308783       | 34%      | 93.6%          | 83.9%            |
| SAU800138     | LPN101764       | 31%      | 81.8%          | 72.8%            |
| SAU800138     | LMO101987       | 64%      | 96.8%          | 96.0%            |
| SAU800138     | MAV103921       | 45%      | 48.6%          | 96.6%            |
| SAU800138     | MBV102346       | 45%      | 94.5%          | 93.8%            |
| SAU800138     | MLP101461       | 42%      | 94.5%          | 93.8%            |
| SAU800138     | MTU200476       | 45%      | 94.5%          | 93.8%            |
| SAU800138     | MGE100050       | 44%      | 97.7%          | 96.0%            |
| SAU800138     | MPN100091       | 45%      | 97.3%          | 95.1%            |
| SAU800138     | PMU101343       | 54%      | 95.9%          | 94.2%            |
| SAU800138     | PRT101388       | 53%      | 97.7%          | 97.3%            |
| SAU800138     | PAE201382       | 28%      | 51.4%          | 20.5%            |
| SAU800138     | PSY100190       | 32%      | 76.8%          | 68.3%            |
| SAU800138     | SPA100057       | 35%      | 68.6%          | 81.4%            |
| SAU800138     | STY104584       | 33%      | 91.4%          | 80.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800138     | STM100357       | 33%      | 90.9%          | 80.4%            |
| SAU800138     | SAU802137       | 97%      | 100%           | 100%             |
| SAU800138     | SAU800138       | 100%     | 100%           | 100%             |
| SAU800138     | SEP201938       | 77%      | 100%           | 100%             |
| SAU800138     | SHA101905       | 84%      | 100%           | 100%             |
| SAU800138     | SMU100919       | 62%      | 100%           | 100%             |
| SAU800138     | SPN400745       | 60%      | 100%           | 100%             |
| SAU800138     | SPY201436       | 45%      | 97.7%          | 96.0%            |
| SAU800138     | TPA100261       | 42%      | 96.4%          | 98.2%            |
| SAU800138     | UUR100592       | 46%      | 95.5%          | 97.7%            |
| SAU800138     | VCH102315       | 35%      | 84.5%          | 76.4%            |
| SAU800138     | YPS001140       | 52%      | 97.3%          | 96.0%            |
| SAU800148     | ABA100616       | 33%      | 47.5%          | 94.4%            |
| SAU800148     | BAN107893       | 46%      | 96.8%          | 98.6%            |
| SAU800148     | BAN104995       | 65%      | 98.8%          | 99.3%            |
| SAU800148     | BFR12137        | 34%      | 43.2%          | 91.4%            |
| SAU800148     | BPT102040       | 27%      | 43.5%          | 91.9%            |
| SAU800148     | BCE107083       | 28%      | 40.0%          | 83.9%            |
| SAU800148     | BFU103121       | 32%      | 50.9%          | 92.1%            |
| SAU800148     | BMA103231       | 35%      | 42.7%          | 90.8%            |
| SAU800148     | CAC102804       | 28%      | 33.3%          | 71.2%            |
| SAU800148     | CBO103735       | 49%      | 97.1%          | 97.0%            |
| SAU800148     | CDF100120       | 36%      | 16.9%          | 79.0%            |
| SAU800148     | CDF104127       | 39%      | 50.1%          | 93.3%            |
| SAU800148     | CDF102156       | 47%      | 99.2%          | 97.9%            |
| SAU800148     | CDF102241       | 50%      | 96.5%          | 95.6%            |
| SAU800148     | EBC104737       | 45%      | 53.6%          | 94.0%            |
| SAU800148     | EFA200386       | 73%      | 97.8%          | 98.0%            |
| SAU800148     | EFM202215       | 34%      | 43.5%          | 91.9%            |
| SAU800148     | ECO101212       | 48%      | 97.2%          | 95.8%            |
| SAU800148     | HIN101211       | 28%      | 21.7%          | 46.3%            |
| SAU800148     | KPN303514       | 44%      | 51.1%          | 93.6%            |
| SAU800148     | LPN100161       | 30%      | 42.8%          | 88.6%            |
| SAU800148     | LMO102418       | 64%      | 98.8%          | 99.3%            |
| SAU800148     | PMU101453       | 55%      | 97.2%          | 97.3%            |
| SAU800148     | PRT103270       | 50%      | 97.2%          | 96.3%            |
| SAU800148     | PAE201989       | 28%      | 42.0%          | 87.3%            |
| SAU800148     | PPU105663       | 31%      | 44.0%          | 94.9%            |
| SAU800148     | PSY103954       | 34%      | 43.2%          | 96.4%            |
| SAU800148     | SPA100551       | 47%      | 87.2%          | 100%             |
| SAU800148     | STY102995       | 48%      | 97.2%          | 95.7%            |
| SAU800148     | STM101429       | 48%      | 97.2%          | 95.7%            |
| SAU800148     | SAU800148       | 100%     | 100%           | 100%             |
| SAU800148     | SEP200785       | 83%      | 100%           | 100%             |
| SAU800148     | SMU101295       | 46%      | 96.7%          | 97.3%            |
| SAU800148     | SPN401835       | 56%      | 97.7%          | 96.4%            |
| SAU800148     | SPY201284       | 26%      | 17.4%          | 36.3%            |
| SAU800148     | VCH102003       | 47%      | 97.2%          | 95.4%            |
| SAU800148     | YPS000792       | 48%      | 97.2%          | 95.8%            |
| SAU800151     | SAU800151       | 100%     | 100%           | 100%             |
| SAU800151     | SHA101869       | 60%      | 100%           | 99.6%            |
| SAU800151     | SPN300327       | 34%      | 93.3%          | 100%             |
| SAU800152     | BFR100028       | 44%      | 66.2%          | 66.8%            |
| SAU800152     | BFR11769        | 35%      | 96.2%          | 93.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800152     | BPT101368       | 38%      | 90.1%          | 88.6%            |
| SAU800152     | BCE111630       | 44%      | 85.7%          | 82.9%            |
| SAU800152     | BFU101094       | 49%      | 62.1%          | 88.7%            |
| SAU800152     | BMA106224       | 44%      | 84.3%          | 80.4%            |
| SAU800152     | CJU101046       | 36%      | 95.7%          | 96.8%            |
| SAU800152     | CBO103725       | 41%      | 98.5%          | 97.6%            |
| SAU800152     | CDF100763       | 43%      | 96.7%          | 91.2%            |
| SAU800152     | EBC101361       | 39%      | 95.7%          | 89.5%            |
| SAU800152     | LPN103004       | 45%      | 72.0%          | 91.4%            |
| SAU800152     | NGO101878       | 41%      | 85.0%          | 80.7%            |
| SAU800152     | NME200591       | 40%      | 87.5%          | 84.7%            |
| SAU800152     | PMU101015       | 37%      | 95.2%          | 90.3%            |
| SAU800152     | PAE203139       | 37%      | 96.9%          | 90.4%            |
| SAU800152     | PPU108312       | 39%      | 91.8%          | 85.8%            |
| SAU800152     | PSY103120       | 43%      | 84.0%          | 85.3%            |
| SAU800152     | SAU800152       | 100%     | 100%           | 100%             |
| SAU800152     | SHA101870       | 72%      | 98.8%          | 99.8%            |
| SAU800152     | SPN400092       | 43%      | 98.0%          | 96.6%            |
| SAU800152     | TPA100076       | 41%      | 71.0%          | 81.6%            |
| SAU800152     | VCH100257       | 43%      | 78.9%          | 77.0%            |
| SAU800153     | ABA100169       | 69%      | 96.8%          | 96.8%            |
| SAU800153     | BFR11249        | 63%      | 97.7%          | 98.2%            |
| SAU800153     | CJU101217       | 40%      | 93.3%          | 96.4%            |
| SAU800153     | CAC103175       | 39%      | 94.4%          | 97.4%            |
| SAU800153     | CBO100761       | 38%      | 94.7%          | 93.0%            |
| SAU800153     | EFM201314       | 40%      | 93.3%          | 96.1%            |
| SAU800153     | HPY100827       | 40%      | 91.5%          | 94.6%            |
| SAU800153     | MBV101380       | 28%      | 42.1%          | 42.6%            |
| SAU800153     | MTU203421       | 28%      | 42.1%          | 41.8%            |
| SAU800153     | PMU101007       | 66%      | 96.8%          | 96.5%            |
| SAU800153     | SAU800153       | 100%     | 100%           | 100%             |
| SAU800153     | SPN300338       | 61%      | 98.8%          | 98.0%            |
| SAU800155     | ABA100167       | 54%      | 100%           | 99.7%            |
| SAU800155     | BFR11005        | 57%      | 99.5%          | 95.7%            |
| SAU800155     | BPT101413       | 30%      | 96.0%          | 99.2%            |
| SAU800155     | CBO103104       | 33%      | 86.9%          | 91.5%            |
| SAU800155     | NME102042       | 19%      | 28.1%          | 19.0%            |
| SAU800155     | PMU101009       | 54%      | 100%           | 99.7%            |
| SAU800155     | PAE203146       | 32%      | 89.8%          | 94.9%            |
| SAU800155     | SAU800155       | 100%     | 100%           | 100%             |
| SAU800155     | SPN300340       | 58%      | 99.5%          | 95.7%            |
| SAU800156     | ABA105471       | 48%      | 42.3%          | 41.4%            |
| SAU800156     | BAN107240       | 37%      | 57.2%          | 61.4%            |
| SAU800156     | BAN109955       | 32%      | 89.9%          | 82.4%            |
| SAU800156     | BFU114872       | 38%      | 66.3%          | 72.9%            |
| SAU800156     | CAC103125       | 40%      | 61.5%          | 75.8%            |
| SAU800156     | CAC101863       | 35%      | 71.6%          | 80%              |
| SAU800156     | CDF100556       | 45%      | 58.2%          | 58.6%            |
| SAU800156     | LPN100956       | 38%      | 55.3%          | 49.1%            |
| SAU800156     | PMU101197       | 35%      | 70.7%          | 78.7%            |
| SAU800156     | PAE203850       | 39%      | 72.1%          | 63.3%            |
| SAU800156     | PSY107373       | 35%      | 66.8%          | 65.2%            |
| SAU800156     | SAU800156       | 100%     | 100%           | 100%             |
| SAU800156     | VCH103030       | 41%      | 64.4%          | 64.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800160     | ABA100166       | 22%      | 99.5%          | 99.0%            |
| SAU800160     | BAN107168       | 22%      | 64.6%          | 66.1%            |
| SAU800160     | BAN104614       | 22%      | 94.3%          | 90.6%            |
| SAU800160     | BFR11006        | 24%      | 86.3%          | 87.8%            |
| SAU800160     | BPT101412       | 20%      | 68.8%          | 67.3%            |
| SAU800160     | BFU112629       | 20%      | 59.9%          | 52.4%            |
| SAU800160     | BFU111140       | 21%      | 89.0%          | 82.9%            |
| SAU800160     | CJU100805       | 30%      | 13.0%          | 24.4%            |
| SAU800160     | CBO100970       | 23%      | 98.8%          | 98.3%            |
| SAU800160     | EBC102688       | 23%      | 85.3%          | 86.2%            |
| SAU800160     | ECO102009       | 25%      | 49.1%          | 48.4%            |
| SAU800160     | PMU101010       | 25%      | 99.0%          | 97.8%            |
| SAU800160     | PRT102124       | 22%      | 60.8%          | 58.7%            |
| SAU800160     | SPA101487       | 24%      | 50.4%          | 49.4%            |
| SAU800160     | STY103551       | 25%      | 50.4%          | 49.4%            |
| SAU800160     | SAU800160       | 100%     | 100%           | 100%             |
| SAU800160     | SPN300331       | 23%      | 96.3%          | 95.6%            |
| SAU800161     | ABA100163       | 40%      | 99.5%          | 88.3%            |
| SAU800161     | BFR11403        | 41%      | 98.9%          | 90.1%            |
| SAU800161     | BFR11007        | 41%      | 98.9%          | 90.1%            |
| SAU800161     | BCE108815       | 39%      | 93.5%          | 39.8%            |
| SAU800161     | BFU102860       | 36%      | 93.5%          | 39.5%            |
| SAU800161     | BFU110433       | 39%      | 93.5%          | 38.6%            |
| SAU800161     | BFU100400       | 40%      | 89.2%          | 37.3%            |
| SAU800161     | BFU111110       | 39%      | 98.9%          | 41.8%            |
| SAU800161     | BFU101647       | 40%      | 96.8%          | 41.2%            |
| SAU800161     | BFU100180       | 40%      | 93.5%          | 38.3%            |
| SAU800161     | BFU113440       | 40%      | 93.5%          | 39.5%            |
| SAU800161     | BMA104513       | 38%      | 93.5%          | 39.6%            |
| SAU800161     | CJU101050       | 42%      | 98.4%          | 89.5%            |
| SAU800161     | HIN100853       | 36%      | 99.5%          | 42.0%            |
| SAU800161     | KPN206317       | 38%      | 99.5%          | 41.7%            |
| SAU800161     | NGO101595       | 42%      | 98.9%          | 43.8%            |
| SAU800161     | NME200593       | 41%      | 98.4%          | 43.6%            |
| SAU800161     | PMU101011       | 41%      | 99.5%          | 91%              |
| SAU800161     | SPA105037       | 36%      | 99.5%          | 41.6%            |
| SAU800161     | SAU800161       | 100%     | 100%           | 100%             |
| SAU800161     | SHA101990       | 45%      | 98.9%          | 45.4%            |
| SAU800161     | SPN300330       | 49%      | 98.9%          | 87.7%            |
| SAU800161     | SPY101929       | 42%      | 61.1%          | 91.1%            |
| SAU800161     | VCH100260       | 43%      | 91.4%          | 89.7%            |
| SAU800170     | SAU800170       | 100%     | 100%           | 100%             |
| SAU800173     | ABA100118       | 26%      | 38.7%          | 49.8%            |
| SAU800173     | BCE106163       | 21%      | 50.5%          | 84.4%            |
| SAU800173     | BCE114441       | 24%      | 76.2%          | 65.2%            |
| SAU800173     | BFU111162       | 25%      | 65.0%          | 55.3%            |
| SAU800173     | BFU116306       | 24%      | 76.2%          | 63.7%            |
| SAU800173     | BMA108816       | 22%      | 69.3%          | 68.2%            |
| SAU800173     | CAC102862       | 22%      | 77.1%          | 67.7%            |
| SAU800173     | CBO101671       | 20%      | 98.1%          | 88.0%            |
| SAU800173     | CDF102271       | 20%      | 97.5%          | 89.3%            |
| SAU800173     | EBC102281       | 23%      | 53.9%          | 54.4%            |
| SAU800173     | ECO100911       | 23%      | 55.4%          | 53.8%            |
| SAU800173     | HIN100383       | 25%      | 22.6%          | 33.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800173     | KPN307346       | 25%      | 58.2%          | 54.5%            |
| SAU800173     | MAV100094       | 21%      | 61.0%          | 59.5%            |
| SAU800173     | PAE202326       | 23%      | 75.5%          | 63.7%            |
| SAU800173     | PPU112476       | 26%      | 66.9%          | 60.8%            |
| SAU800173     | PSY105587       | 23%      | 68.7%          | 57.8%            |
| SAU800173     | SAU800173       | 100%     | 100%           | 100%             |
| SAU800173     | SMU102515       | 20%      | 88.2%          | 84.5%            |
| SAU800173     | YPS005574       | 20%      | 89.2%          | 86.0%            |
| SAU800176     | BAN107751       | 40%      | 94.8%          | 94.8%            |
| SAU800176     | BAN110534       | 40%      | 94.8%          | 96.5%            |
| SAU800176     | SAU800176       | 100%     | 100%           | 100%             |
| SAU800177     | BPT101987       | 47%      | 82.9%          | 79.5%            |
| SAU800177     | LPN101961       | 44%      | 89.0%          | 85.6%            |
| SAU800177     | MAV102109       | 41%      | 88.5%          | 88.2%            |
| SAU800177     | SAU800177       | 100%     | 100%           | 100%             |
| SAU800179     | ABA102315       | 26%      | 2.6%           | 81.2%            |
| SAU800179     | BAN113579       | 35%      | 7.1%           | 88.4%            |
| SAU800179     | BAN101449       | 30%      | 66.1%          | 66.7%            |
| SAU800179     | BAN105122       | 26%      | 72.9%          | 58.3%            |
| SAU800179     | BAN110486       | 32%      | 74.7%          | 33.2%            |
| SAU800179     | BFR10464        | 27%      | 65.8%          | 98.8%            |
| SAU800179     | BCE107762       | 26%      | 7.9%           | 98.0%            |
| SAU800179     | BFU114880       | 33%      | 30.3%          | 24.1%            |
| SAU800179     | BMA107341       | 33%      | 67.3%          | 47.5%            |
| SAU800179     | BMA108540       | 30%      | 67.2%          | 17.5%            |
| SAU800179     | CBO101685       | 28%      | 66.5%          | 92.1%            |
| SAU800179     | CDF101294       | 33%      | 65.9%          | 75.3%            |
| SAU800179     | CDP101614       | 26%      | 66.0%          | 41.7%            |
| SAU800179     | EBC101709       | 27%      | 68.9%          | 60.8%            |
| SAU800179     | ECO100576       | 28%      | 69.6%          | 50.8%            |
| SAU800179     | KPN300374       | 32%      | 47.1%          | 59.5%            |
| SAU800179     | KPN304828       | 28%      | 69.6%          | 50.5%            |
| SAU800179     | LPN101088       | 36%      | 66.7%          | 40.7%            |
| SAU800179     | MAV100199       | 37%      | 40.9%          | 34.2%            |
| SAU800179     | MAV108422       | 22%      | 5.8%           | 65%              |
| SAU800179     | MAV105730       | 26%      | 4.9%           | 63.4%            |
| SAU800179     | MAV100323       | 37%      | 2.8%           | 76.1%            |
| SAU800179     | MAV100747       | 31%      | 37.4%          | 16.2%            |
| SAU800179     | MAV103392       | 29%      | 27.5%          | 44.7%            |
| SAU800179     | MAV108053       | 32%      | 68.4%          | 54.7%            |
| SAU800179     | MAV100755       | 28%      | 51.1%          | 50.7%            |
| SAU800179     | MAV100412       | 28%      | 6.6%           | 77.2%            |
| SAU800179     | MAV100756       | 25%      | 48.6%          | 13.7%            |
| SAU800179     | MAV106465       | 29%      | 34.4%          | 81.2%            |
| SAU800179     | MAV100351       | 30%      | 40.6%          | 39.1%            |
| SAU800179     | MAV100574       | 30%      | 69.3%          | 16.7%            |
| SAU800179     | MBV104734       | 26%      | 21.9%          | 62.9%            |
| SAU800179     | MTU200101       | 26%      | 21.9%          | 62.9%            |
| SAU800179     | PAE202400       | 30%      | 11.1%          | 34.7%            |
| SAU800179     | PAE202397       | 31%      | 68.3%          | 25.6%            |
| SAU800179     | PAE202398       | 30%      | 51.8%          | 16.5%            |
| SAU800179     | PAE202399       | 25%      | 11.0%          | 96.8%            |
| SAU800179     | PPU101236       | 30%      | 69.9%          | 15.8%            |
| SAU800179     | PSY107058       | 30%      | 10.0%          | 85.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800179     | PSY107996       | 33%      | 68.3%          | 49.2%            |
| SAU800179     | PSY108115       | 29%      | 0.8%           | 84.0%            |
| SAU800179     | PSY104787       | 30%      | 69.2%          | 18.3%            |
| SAU800179     | PSY106622       | 31%      | 69.8%          | 30.8%            |
| SAU800179     | PSY102912       | 30%      | 83.1%          | 3.2%             |
| SAU800179     | SPA100043       | 28%      | 54.6%          | 86.4%            |
| SAU800179     | STY101355       | 23%      | 5.8%           | 70.5%            |
| SAU800179     | STM101087       | 22%      | 1.0%           | 80.1%            |
| SAU800179     | SAU800179       | 100%     | 100%           | 100%             |
| SAU800179     | SEP202199       | 53%      | 42.0%          | 84.8%            |
| SAU800179     | SMU100382       | 27%      | 40.5%          | 98.9%            |
| SAU800179     | YPS003580       | 27%      | 64.7%          | 96.9%            |
| SAU800185     | ABA105856       | 35%      | 94.9%          | 91.7%            |
| SAU800185     | ABA104433       | 36%      | 94.2%          | 92.6%            |
| SAU800185     | BAN102092       | 44%      | 94.2%          | 94.2%            |
| SAU800185     | BAN104945       | 53%      | 98.5%          | 97.2%            |
| SAU800185     | BFR11237        | 33%      | 95.4%          | 97.9%            |
| SAU800185     | BPT100709       | 47%      | 95.2%          | 91.3%            |
| SAU800185     | BCE106345       | 35%      | 94.9%          | 92.0%            |
| SAU800185     | BFU105496       | 36%      | 93.4%          | 90.3%            |
| SAU800185     | BMA107078       | 36%      | 94.9%          | 86.9%            |
| SAU800185     | CJU100200       | 35%      | 96.2%          | 96.2%            |
| SAU800185     | CAC100405       | 40%      | 97.2%          | 99.0%            |
| SAU800185     | CDF100831       | 35%      | 99.0%          | 97.7%            |
| SAU800185     | CDP100997       | 39%      | 94.4%          | 88.9%            |
| SAU800185     | EBC103860       | 36%      | 94.7%          | 92.6%            |
| SAU800185     | EBC103776       | 40%      | 90.1%          | 80.0%            |
| SAU800185     | ECO103282       | 35%      | 94.7%          | 92.6%            |
| SAU800185     | ECO103006       | 39%      | 90.1%          | 74.0%            |
| SAU800185     | KPN302797       | 36%      | 93.1%          | 91.1%            |
| SAU800185     | KPN308058       | 37%      | 94.7%          | 93.5%            |
| SAU800185     | KPN301328       | 36%      | 94.7%          | 92.6%            |
| SAU800185     | LPN102205       | 38%      | 75.9%          | 90.9%            |
| SAU800185     | LMO102103       | 37%      | 95.7%          | 95.1%            |
| SAU800185     | MCA102985       | 44%      | 96.7%          | 93.5%            |
| SAU800185     | MAV102776       | 45%      | 99.7%          | 96.1%            |
| SAU800185     | MBV100237       | 39%      | 94.9%          | 95.3%            |
| SAU800185     | MLP100874       | 38%      | 95.9%          | 92.1%            |
| SAU800185     | MTU201634       | 39%      | 94.9%          | 92%              |
| SAU800185     | NGO101087       | 38%      | 94.2%          | 94.2%            |
| SAU800185     | NME201443       | 38%      | 93.9%          | 94.0%            |
| SAU800185     | PMU100344       | 35%      | 95.4%          | 95.2%            |
| SAU800185     | PRT100873       | 36%      | 93.4%          | 91.6%            |
| SAU800185     | PAE200894       | 38%      | 96.7%          | 94.6%            |
| SAU800185     | PPU101089       | 35%      | 95.2%          | 93.1%            |
| SAU800185     | PSY105268       | 40%      | 94.4%          | 93.5%            |
| SAU800185     | SPA103259       | 39%      | 89.6%          | 85.1%            |
| SAU800185     | STY100836       | 39%      | 89.6%          | 85.1%            |
| SAU800185     | STM101284       | 39%      | 89.6%          | 85.1%            |
| SAU800185     | SAU800957       | 56%      | 99.0%          | 98.5%            |
| SAU800185     | SAU800185       | 100%     | 100%           | 100%             |
| SAU800185     | SEP200162       | 56%      | 98.7%          | 98.2%            |
| SAU800185     | SHA101572       | 55%      | 98.7%          | 98.2%            |
| SAU800185     | SMU100706       | 26%      | 70.3%          | 70.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800185     | SMU100846       | 36%      | 96.2%          | 93.7%            |
| SAU800185     | VCH102581       | 36%      | 94.2%          | 92.8%            |
| SAU800185     | YPS002621       | 36%      | 94.2%          | 91.8%            |
| SAU800186     | ABA103932       | 35%      | 97.1%          | 97.5%            |
| SAU800186     | BAN109506       | 58%      | 8.7%           | 79.6%            |
| SAU800186     | BAN112839       | 41%      | 65.7%          | 97.3%            |
| SAU800186     | BAN100191       | 40%      | 91.3%          | 99.5%            |
| SAU800186     | BAN109468       | 43%      | 91.3%          | 99.5%            |
| SAU800186     | BAN103523       | 42%      | 99.3%          | 97.3%            |
| SAU800186     | CPN201014       | 26%      | 87.1%          | 100%             |
| SAU800186     | CAC101620       | 41%      | 98.4%          | 98.6%            |
| SAU800186     | CBO101553       | 29%      | 79.1%          | 96.6%            |
| SAU800186     | CBO101868       | 36%      | 97.8%          | 97.7%            |
| SAU800186     | CBO103521       | 35%      | 99.6%          | 98.6%            |
| SAU800186     | EFA201957       | 58%      | 97.8%          | 97.3%            |
| SAU800186     | EFM201026       | 62%      | 93.8%          | 97.9%            |
| SAU800186     | HPY200813       | 29%      | 27.2%          | 24.8%            |
| SAU800186     | NGO101301       | 27%      | 39.4%          | 68.1%            |
| SAU800186     | NME200461       | 26%      | 39.4%          | 68.1%            |
| SAU800186     | PPU112371       | 33%      | 87.5%          | 95.7%            |
| SAU800186     | SAU800186       | 100%     | 100%           | 100%             |
| SAU800186     | SEP200040       | 72%      | 99.6%          | 98.7%            |
| SAU800186     | SPY200236       | 36%      | 98.9%          | 99.6%            |
| SAU800186     | TPA100262       | 31%      | 93.8%          | 92.5%            |
| SAU800186     | VCH100650       | 37%      | 98.0%          | 97.0%            |
| SAU800187     | BPT104834       | 23%      | 92.1%          | 71.3%            |
| SAU800187     | BCE113026       | 33%      | 97.0%          | 83.4%            |
| SAU800187     | BFU101703       | 31%      | 97.0%          | 83.4%            |
| SAU800187     | BMA108193       | 31%      | 81.8%          | 67.2%            |
| SAU800187     | CAC101772       | 28%      | 76.4%          | 64.6%            |
| SAU800187     | CBO103295       | 28%      | 83.6%          | 71.9%            |
| SAU800187     | CDF101300       | 25%      | 95.8%          | 83.8%            |
| SAU800187     | EBC102310       | 37%      | 97.0%          | 86.2%            |
| SAU800187     | EFM201317       | 33%      | 97.6%          | 81.9%            |
| SAU800187     | ECO101835       | 38%      | 97.0%          | 81.4%            |
| SAU800187     | KPN301312       | 37%      | 97.0%          | 86.2%            |
| SAU800187     | LMO101748       | 28%      | 70.3%          | 60%              |
| SAU800187     | MAV105869       | 28%      | 55.8%          | 45.1%            |
| SAU800187     | MAV106475       | 24%      | 51.5%          | 42.4%            |
| SAU800187     | MAV108289       | 31%      | 54.5%          | 43.1%            |
| SAU800187     | NME300906       | 32%      | 27.9%          | 8.7%             |
| SAU800187     | PAE204210       | 31%      | 55.2%          | 44.0%            |
| SAU800187     | PAE201901       | 31%      | 55.2%          | 44.0%            |
| SAU800187     | STY102266       | 38%      | 97.0%          | 86.2%            |
| SAU800187     | STM102408       | 38%      | 97.0%          | 86.2%            |
| SAU800187     | SAU800187       | 100%     | 100%           | 100%             |
| SAU800187     | SPN201097       | 33%      | 35.8%          | 35.5%            |
| SAU800189     | BCE100659       | 40%      | 67.8%          | 99.8%            |
| SAU800189     | BMA108578       | 42%      | 72.2%          | 78.6%            |
| SAU800189     | CAC100074       | 44%      | 98.4%          | 98.5%            |
| SAU800189     | EBC103351       | 45%      | 73.0%          | 98.0%            |
| SAU800189     | ECO100662       | 39%      | 95.2%          | 95.1%            |
| SAU800189     | KPN301181       | 39%      | 95.9%          | 95.7%            |
| SAU800189     | MTU405366       | 23%      | 22.3%          | 34.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800189     | MGE100071       | 36%      | 4.6%           | 21.1%            |
| SAU800189     | MPN100624       | 34%      | 4.6%           | 21.3%            |
| SAU800189     | SPA101338       | 38%      | 95.9%          | 95.7%            |
| SAU800189     | STY101832       | 39%      | 95.9%          | 95.7%            |
| SAU800189     | STM101571       | 39%      | 95.9%          | 95.7%            |
| SAU800189     | SAU800189       | 100%     | 100%           | 100%             |
| SAU800189     | SEP201169       | 77%      | 98.2%          | 98.7%            |
| SAU800189     | SHA102201       | 79%      | 96.8%          | 99.8%            |
| SAU800189     | SMU100648       | 33%      | 94.7%          | 96.9%            |
| SAU800189     | SPY201526       | 33%      | 95.7%          | 95.1%            |
| SAU800189     | YPS003166       | 49%      | 73.1%          | 99.0%            |
| SAU800190     | BAN110675       | 33%      | 65.0%          | 66.3%            |
| SAU800190     | BAN112117       | 31%      | 97.2%          | 98.0%            |
| SAU800190     | CBO101036       | 31%      | 97.4%          | 98.6%            |
| SAU800190     | CDF101697       | 24%      | 93.7%          | 92.7%            |
| SAU800190     | EFA200342       | 32%      | 97.2%          | 95.4%            |
| SAU800190     | EFM201878       | 24%      | 93.7%          | 93.4%            |
| SAU800190     | LMO101299       | 27%      | 91.7%          | 91.4%            |
| SAU800190     | SAU800190       | 100%     | 100%           | 100%             |
| SAU800190     | SEP200415       | 43%      | 100%           | 100%             |
| SAU800190     | SHA101917       | 44%      | 99.1%          | 99.4%            |
| SAU800190     | SPY201019       | 24%      | 96.6%          | 97.0%            |
| SAU800191     | BAN108120       | 51%      | 98.0%          | 100%             |
| SAU800191     | BAN102078       | 58%      | 98.3%          | 100%             |
| SAU800191     | BFR11800        | 49%      | 79.9%          | 85.1%            |
| SAU800191     | BMA100134       | 24%      | 48.2%          | 72.6%            |
| SAU800191     | CJU101074       | 22%      | 50.5%          | 80.6%            |
| SAU800191     | CAC100588       | 47%      | 98.3%          | 97.4%            |
| SAU800191     | CBO102158       | 47%      | 98.7%          | 97.7%            |
| SAU800191     | CDF101698       | 43%      | 98.3%          | 96.7%            |
| SAU800191     | EBC102615       | 50%      | 96.3%          | 97.6%            |
| SAU800191     | EFA200347       | 57%      | 98.0%          | 99.0%            |
| SAU800191     | ECO102379       | 46%      | 97.7%          | 98.0%            |
| SAU800191     | HIN100734       | 47%      | 91.3%          | 90.1%            |
| SAU800191     | KPN309180       | 47%      | 96.3%          | 96%              |
| SAU800191     | MAV101477       | 23%      | 45.5%          | 65.9%            |
| SAU800191     | PMU101576       | 46%      | 96.3%          | 95.7%            |
| SAU800191     | PRT104700       | 46%      | 98.0%          | 98.0%            |
| SAU800191     | PAE204455       | 23%      | 50.8%          | 39.9%            |
| SAU800191     | SPA103314       | 47%      | 96.3%          | 97.6%            |
| SAU800191     | STY102082       | 47%      | 96.3%          | 97.0%            |
| SAU800191     | SAU800191       | 100%     | 100%           | 100%             |
| SAU800191     | SEP200417       | 61%      | 98.0%          | 99.3%            |
| SAU800191     | SHA101129       | 63%      | 98.3%          | 99.7%            |
| SAU800191     | VCH100677       | 50%      | 99.3%          | 96.7%            |
| SAU800191     | YPS003384       | 49%      | 96.3%          | 97.6%            |
| SAU800192     | BAN102807       | 44%      | 98.8%          | 99.6%            |
| SAU800192     | BAN104150       | 47%      | 98.8%          | 99.6%            |
| SAU800192     | CBO103921       | 40%      | 83.3%          | 94.3%            |
| SAU800192     | EBC102613       | 38%      | 97.3%          | 98.7%            |
| SAU800192     | EFA200349       | 61%      | 98.1%          | 98.6%            |
| SAU800192     | EFM202225       | 59%      | 97.1%          | 89.7%            |
| SAU800192     | ECO102380       | 37%      | 97.3%          | 98.5%            |
| SAU800192     | KPN308727       | 38%      | 96.7%          | 97.7%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800192     | LMO102292       | 30%      | 96.5%          | 71.6%            |
| SAU800192     | MAV101637       | 20%      | 44.8%          | 48.3%            |
| SAU800192     | MBV104423       | 22%      | 40.5%          | 35.5%            |
| SAU800192     | MTU202378       | 22%      | 40.5%          | 32.3%            |
| SAU800192     | PMU101575       | 37%      | 97.3%          | 98.3%            |
| SAU800192     | PRT101385       | 35%      | 96.5%          | 96.9%            |
| SAU800192     | SPA103312       | 35%      | 87.2%          | 92.5%            |
| SAU800192     | STY102079       | 37%      | 97.3%          | 98.7%            |
| SAU800192     | SAU800192       | 100%     | 100%           | 100%             |
| SAU800192     | SEP200419       | 73%      | 99.2%          | 100%             |
| SAU800192     | SHA101130       | 73%      | 94.4%          | 100%             |
| SAU800192     | VCH100205       | 37%      | 96.5%          | 97.3%            |
| SAU800195     | BFR10845        | 24%      | 75.2%          | 69.6%            |
| SAU800195     | BCE100929       | 25%      | 63.8%          | 61.3%            |
| SAU800195     | BFU103174       | 23%      | 75.6%          | 73.4%            |
| SAU800195     | CJU101458       | 22%      | 99.8%          | 97.1%            |
| SAU800195     | CDP101414       | 24%      | 60.1%          | 55.1%            |
| SAU800195     | EBC105012       | 21%      | 65.6%          | 63.1%            |
| SAU800195     | EFA102287       | 28%      | 98.7%          | 98.8%            |
| SAU800195     | EFM202587       | 28%      | 98.7%          | 98.8%            |
| SAU800195     | ECO104239       | 22%      | 47.1%          | 41.0%            |
| SAU800195     | HIN101253       | 26%      | 73.7%          | 67.4%            |
| SAU800195     | HPY100833       | 38%      | 82.9%          | 90.9%            |
| SAU800195     | KPN211627       | 21%      | 65.6%          | 63.1%            |
| SAU800195     | MCA101429       | 27%      | 60.0%          | 54.8%            |
| SAU800195     | MPN100491       | 41%      | 20.7%          | 99.0%            |
| SAU800195     | NGO100947       | 35%      | 94.6%          | 91.8%            |
| SAU800195     | NME300783       | 36%      | 84.9%          | 92.7%            |
| SAU800195     | PMU101541       | 25%      | 62.5%          | 58.8%            |
| SAU800195     | PRT103742       | 23%      | 77.3%          | 71.0%            |
| SAU800195     | PAE202730       | 22%      | 60.7%          | 53.7%            |
| SAU800195     | PSY104037       | 23%      | 78.9%          | 77.0%            |
| SAU800195     | SPA101738       | 26%      | 21.0%          | 44.2%            |
| SAU800195     | STY104457       | 23%      | 34.6%          | 30.8%            |
| SAU800195     | SAU800195       | 100%     | 100%           | 100%             |
| SAU800195     | SEP200634       | 59%      | 100%           | 99.8%            |
| SAU800195     | SHA103279       | 62%      | 4.0%           | 78.7%            |
| SAU800195     | SMU100869       | 36%      | 95.7%          | 100%             |
| SAU800195     | SPY201467       | 30%      | 97.4%          | 95.2%            |
| SAU800195     | UUR100094       | 34%      | 94.2%          | 91.5%            |
| SAU800195     | VCH101736       | 23%      | 74.4%          | 76.1%            |
| SAU800205     | ABA103034       | 39%      | 48.5%          | 93.0%            |
| SAU800205     | BAN106829       | 38%      | 98.5%          | 78.5%            |
| SAU800205     | BAN101703       | 40%      | 3.6%           | 94.8%            |
| SAU800205     | BAN110503       | 38%      | 54.9%          | 97.4%            |
| SAU800205     | BPT100790       | 43%      | 49.1%          | 96.9%            |
| SAU800205     | BCE105561       | 42%      | 98.5%          | 41.2%            |
| SAU800205     | BFU101118       | 43%      | 98.1%          | 93.7%            |
| SAU800205     | BMA102386       | 42%      | 98.5%          | 95.6%            |
| SAU800205     | CBO102569       | 38%      | 99.1%          | 100%             |
| SAU800205     | CDP100969       | 39%      | 99.2%          | 46.2%            |
| SAU800205     | EBC102789       | 43%      | 98.9%          | 93%              |
| SAU800205     | EFA201581       | 39%      | 54.9%          | 97.4%            |
| SAU800205     | ECO100805       | 43%      | 51.5%          | 94.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800205     | HPY100246       | 39%      | 99.4%          | 49.2%            |
| SAU800205     | KPN305262       | 42%      | 98.1%          | 98.9%            |
| SAU800205     | MAV102743       | 41%      | 48.5%          | 96.7%            |
| SAU800205     | MBV103927       | 41%      | 50.9%          | 98.0%            |
| SAU800205     | MTU203609       | 41%      | 50.9%          | 98.5%            |
| SAU800205     | PAE201806       | 42%      | 99.4%          | 98.3%            |
| SAU800205     | PPU106261       | 43%      | 98.3%          | 47.8%            |
| SAU800205     | PSY105667       | 43%      | 48.3%          | 98.7%            |
| SAU800205     | SPA101236       | 43%      | 84.7%          | 33.6%            |
| SAU800205     | STY102412       | 43%      | 51.3%          | 92.1%            |
| SAU800205     | STM102195       | 43%      | 51.3%          | 92.1%            |
| SAU800205     | SAU800205       | 100%     | 100%           | 100%             |
| SAU800205     | VCH100168       | 39%      | 98.7%          | 44.8%            |
| SAU800205     | YPS000348       | 41%      | 48.3%          | 98.9%            |
| SAU800208     | HPY201191       | 23%      | 51.3%          | 37.4%            |
| SAU800208     | SAU800208       | 100%     | 100%           | 100%             |
| SAU800209     | ABA106026       | 29%      | 79.9%          | 89.0%            |
| SAU800209     | BPT102230       | 32%      | 79.0%          | 90.9%            |
| SAU800209     | BCE114044       | 34%      | 69.9%          | 90.4%            |
| SAU800209     | BFU113973       | 29%      | 75.9%          | 87.0%            |
| SAU800209     | BFU104436       | 31%      | 76.9%          | 89.3%            |
| SAU800209     | BMA104598       | 31%      | 76.8%          | 89.9%            |
| SAU800209     | CDF100584       | 28%      | 74.3%          | 89.8%            |
| SAU800209     | EBC103795       | 35%      | 74.1%          | 85.9%            |
| SAU800209     | ECO103370       | 34%      | 74.6%          | 86.6%            |
| SAU800209     | HPY101101       | 35%      | 79.2%          | 94.2%            |
| SAU800209     | KPN308894       | 36%      | 74.6%          | 86.4%            |
| SAU800209     | LPN103288       | 33%      | 78.3%          | 91.3%            |
| SAU800209     | MCA103579       | 32%      | 80.8%          | 98.0%            |
| SAU800209     | MAV104222       | 25%      | 73.5%          | 88.8%            |
| SAU800209     | MBV101291       | 30%      | 79.0%          | 89.0%            |
| SAU800209     | MTU202358       | 30%      | 79.0%          | 87.1%            |
| SAU800209     | NGO101177       | 33%      | 81.3%          | 91.9%            |
| SAU800209     | NME201155       | 34%      | 80.8%          | 91.5%            |
| SAU800209     | PRT102085       | 34%      | 79.8%          | 92.0%            |
| SAU800209     | PAE201337       | 32%      | 69.5%          | 82.4%            |
| SAU800209     | PPU101006       | 31%      | 79.0%          | 93.8%            |
| SAU800209     | PSY102725       | 34%      | 71.7%          | 82.6%            |
| SAU800209     | SPA103343       | 34%      | 74.3%          | 86.2%            |
| SAU800209     | STY101289       | 34%      | 74.3%          | 86.2%            |
| SAU800209     | SAU800209       | 100%     | 100%           | 100%             |
| SAU800209     | SEP201132       | 26%      | 79.3%          | 91.2%            |
| SAU800209     | SHA102213       | 27%      | 70.8%          | 84.7%            |
| SAU800209     | VCH100192       | 33%      | 80.4%          | 92.3%            |
| SAU800210     | BAN102515       | 25%      | 49.0%          | 35.1%            |
| SAU800210     | SAU800100       | 36%      | 91.8%          | 91.4%            |
| SAU800210     | SAU800099       | 33%      | 92.2%          | 91.4%            |
| SAU800210     | SAU800097       | 35%      | 92.6%          | 91.8%            |
| SAU800210     | SAU800210       | 100%     | 100%           | 100%             |
| SAU800210     | SEP200591       | 31%      | 86.0%          | 94.5%            |
| SAU800210     | SEP200593       | 32%      | 86.0%          | 93.7%            |
| SAU800210     | SEP200598       | 33%      | 86.4%          | 95.7%            |
| SAU800210     | SEP200616       | 30%      | 97.7%          | 97.7%            |
| SAU800210     | SEP200552       | 30%      | 93.0%          | 92.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800210     | SEP200589       | 32%      | 92.2%          | 92.9%            |
| SAU800210     | SEP200597       | 33%      | 93.0%          | 93.1%            |
| SAU800210     | SEP200553       | 33%      | 93.4%          | 93.8%            |
| SAU800210     | SEP200083       | 34%      | 93.4%          | 98.0%            |
| SAU800210     | UUR100488       | 23%      | 61.5%          | 14.0%            |
| SAU800210     | UUR100500       | 25%      | 50.2%          | 2.6%             |
| SAU800217     | BAN105693       | 25%      | 39.3%          | 42.3%            |
| SAU800217     | BAN101644       | 24%      | 69.9%          | 67.7%            |
| SAU800217     | BFR11588        | 30%      | 56.8%          | 56.0%            |
| SAU800217     | BPT101418       | 23%      | 98.3%          | 95.7%            |
| SAU800217     | BCE114462       | 26%      | 76.6%          | 70.8%            |
| SAU800217     | BFU109787       | 27%      | 56.3%          | 57.3%            |
| SAU800217     | BMA100330       | 27%      | 53.2%          | 54.5%            |
| SAU800217     | CJU100467       | 24%      | 52.9%          | 59.0%            |
| SAU800217     | CAC101556       | 26%      | 57.1%          | 61.8%            |
| SAU800217     | CAC101990       | 28%      | 57.7%          | 63.8%            |
| SAU800217     | CBO100089       | 28%      | 99.7%          | 94.9%            |
| SAU800217     | CDF101374       | 32%      | 32.3%          | 33.3%            |
| SAU800217     | EBC102005       | 34%      | 98.3%          | 97.4%            |
| SAU800217     | EFA200857       | 31%      | 55.4%          | 60.5%            |
| SAU800217     | EFM202322       | 33%      | 98.1%          | 98.8%            |
| SAU800217     | ECO101286       | 37%      | 98.3%          | 96.9%            |
| SAU800217     | HPY100671       | 29%      | 29.5%          | 38.1%            |
| SAU800217     | KPN303110       | 26%      | 76.6%          | 70.8%            |
| SAU800217     | KPN303422       | 27%      | 76.6%          | 70.4%            |
| SAU800217     | LPN102197       | 22%      | 96.4%          | 95.3%            |
| SAU800217     | LMO100926       | 67%      | 99.4%          | 99.7%            |
| SAU800217     | MAV105900       | 25%      | 98.1%          | 98.1%            |
| SAU800217     | MAV106814       | 27%      | 77.2%          | 74.2%            |
| SAU800217     | PRT104380       | 30%      | 51.5%          | 51.6%            |
| SAU800217     | PAE205144       | 28%      | 52.4%          | 50.8%            |
| SAU800217     | PSY102486       | 25%      | 71.6%          | 69.5%            |
| SAU800217     | SPA102336       | 30%      | 51.5%          | 51.1%            |
| SAU800217     | STY100553       | 29%      | 51.5%          | 48.2%            |
| SAU800217     | STM103742       | 28%      | 54.0%          | 55.4%            |
| SAU800217     | SAU800217       | 100%     | 100%           | 100%             |
| SAU800217     | SPN201737       | 28%      | 41.2%          | 65.4%            |
| SAU800217     | SPY200315       | 27%      | 40.7%          | 44.8%            |
| SAU800217     | YPS002291       | 26%      | 98.3%          | 97.9%            |
| SAU800218     | BCE105360       | 31%      | 57.2%          | 57.3%            |
| SAU800218     | CDF101870       | 23%      | 56.4%          | 59.0%            |
| SAU800218     | PMU101765       | 30%      | 55.5%          | 52.9%            |
| SAU800218     | PMU101759       | 25%      | 77.7%          | 68.1%            |
| SAU800218     | PPU111816       | 22%      | 77.5%          | 80.1%            |
| SAU800218     | SAU800218       | 100%     | 100%           | 100%             |
| SAU800218     | SMU100226       | 24%      | 54.9%          | 58.6%            |
| SAU800218     | SPN401529       | 23%      | 77.7%          | 68.1%            |
| SAU800218     | VCH102835       | 35%      | 55.2%          | 54.3%            |
| SAU800219     | BAN109911       | 28%      | 23.3%          | 48.1%            |
| SAU800219     | BAN113414       | 23%      | 70.8%          | 71.8%            |
| SAU800219     | BFU109648       | 27%      | 51.6%          | 51.3%            |
| SAU800219     | BMA102321       | 23%      | 48.4%          | 49.0%            |
| SAU800219     | CBO103013       | 27%      | 46.6%          | 44.9%            |
| SAU800219     | EBC102356       | 34%      | 27.0%          | 27.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800219     | EFA201215       | 23%      | 53.7%          | 59.4%            |
| SAU800219     | EFM100935       | 27%      | 36.3%          | 38.5%            |
| SAU800219     | KPN304402       | 30%      | 42.9%          | 39.4%            |
| SAU800219     | LMO100731       | 63%      | 100%           | 100%             |
| SAU800219     | PSY102814       | 27%      | 34.2%          | 35.7%            |
| SAU800219     | SAU800219       | 100%     | 100%           | 100%             |
| SAU800219     | YPS000561       | 28%      | 32.9%          | 29.7%            |
| SAU800230     | BCE113780       | 20%      | 36.8%          | 66.7%            |
| SAU800230     | BMA109792       | 21%      | 34.5%          | 58.8%            |
| SAU800230     | PMU101543       | 31%      | 13.7%          | 42.4%            |
| SAU800230     | PAE201595       | 20%      | 29.8%          | 32.3%            |
| SAU800230     | SAU800230       | 100%     | 100%           | 100%             |
| SAU800230     | SAU800812       | 26%      | 62.0%          | 80.4%            |
| SAU800230     | SPN202849       | 22%      | 38.0%          | 55.9%            |
| SAU800232     | ABA103707       | 31%      | 38.2%          | 55.5%            |
| SAU800232     | BAN100937       | 30%      | 61.4%          | 59.3%            |
| SAU800232     | BAN107686       | 33%      | 99.7%          | 99.6%            |
| SAU800232     | BPT101578       | 29%      | 39.3%          | 81.4%            |
| SAU800232     | BCE106359       | 35%      | 77.8%          | 97.5%            |
| SAU800232     | BFU110931       | 34%      | 100%           | 96.5%            |
| SAU800232     | BMA107156       | 36%      | 99.7%          | 94.6%            |
| SAU800232     | CAC103282       | 31%      | 38.1%          | 100%             |
| SAU800232     | CBO103696       | 32%      | 37.5%          | 98.9%            |
| SAU800232     | CDF100453       | 31%      | 37.8%          | 99.6%            |
| SAU800232     | EBC103297       | 29%      | 77.6%          | 21.5%            |
| SAU800232     | EFM200577       | 29%      | 13.1%          | 91.2%            |
| SAU800232     | ECO103758       | 32%      | 77.6%          | 21.8%            |
| SAU800232     | KPN305008       | 29%      | 52.1%          | 87.1%            |
| SAU800232     | LPN103257       | 33%      | 99.7%          | 99.2%            |
| SAU800232     | MCA100365       | 33%      | 77.0%          | 22.9%            |
| SAU800232     | MAV101275       | 33%      | 37.6%          | 94.3%            |
| SAU800232     | MBV104755       | 32%      | 37.6%          | 97.9%            |
| SAU800232     | MLP101467       | 33%      | 37.6%          | 97.6%            |
| SAU800232     | MTU200466       | 32%      | 37.6%          | 97.9%            |
| SAU800232     | PRT102958       | 28%      | 76.6%          | 22.6%            |
| SAU800232     | PAE203012       | 31%      | 77.4%          | 22.4%            |
| SAU800232     | PPU110248       | 30%      | 37.8%          | 99.3%            |
| SAU800232     | PSY102874       | 29%      | 77.4%          | 22.2%            |
| SAU800232     | SPA101936       | 31%      | 77.0%          | 22.9%            |
| SAU800232     | STY101059       | 31%      | 76.9%          | 22.1%            |
| SAU800232     | SAU800232       | 100%     | 100%           | 100%             |
| SAU800232     | SEP200029       | 26%      | 21.4%          | 49.2%            |
| SAU800232     | VCH101028       | 31%      | 76.5%          | 22.8%            |
| SAU800232     | YPS000580       | 29%      | 76.2%          | 23.2%            |
| SAU800244     | CDF102198       | 25%      | 95.8%          | 99.4%            |
| SAU800244     | EFA202092       | 26%      | 86.8%          | 95.4%            |
| SAU800244     | EFM200261       | 27%      | 85.5%          | 89.1%            |
| SAU800244     | LMO102925       | 33%      | 98.6%          | 98.8%            |
| SAU800244     | SAU800244       | 100%     | 100%           | 100%             |
| SAU800244     | SPN401937       | 26%      | 86.5%          | 88.9%            |
| SAU800244     | SPY201502       | 24%      | 98.0%          | 98.8%            |
| SAU800248     | ABA101016       | 28%      | 89.7%          | 91.8%            |
| SAU800248     | BAN100750       | 36%      | 88.9%          | 90.6%            |
| SAU800248     | BAN111894       | 36%      | 96.9%          | 96.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800248     | BFR11480        | 26%      | 92.3%          | 94.5%            |
| SAU800248     | BCE110397       | 34%      | 88.3%          | 77.0%            |
| SAU800248     | BFU101210       | 30%      | 96.6%          | 93.6%            |
| SAU800248     | BMA104338       | 32%      | 88.6%          | 89.0%            |
| SAU800248     | CBO103141       | 33%      | 84.6%          | 86.3%            |
| SAU800248     | CDF102818       | 52%      | 96.9%          | 99.7%            |
| SAU800248     | CDP101523       | 33%      | 82.6%          | 84.3%            |
| SAU800248     | EBC102200       | 30%      | 96.6%          | 98.8%            |
| SAU800248     | ECO101744       | 29%      | 98.6%          | 100%             |
| SAU800248     | HIN100052       | 32%      | 84.6%          | 86.5%            |
| SAU800248     | LMO101960       | 50%      | 96.9%          | 99.7%            |
| SAU800248     | MBV100889       | 27%      | 94.3%          | 98.2%            |
| SAU800248     | MTU201862       | 26%      | 94.9%          | 87.2%            |
| SAU800248     | NGO100006       | 29%      | 94.0%          | 96.9%            |
| SAU800248     | NME200748       | 29%      | 94.0%          | 96.9%            |
| SAU800248     | PAE204150       | 30%      | 88.9%          | 89.0%            |
| SAU800248     | PPU108157       | 31%      | 86.6%          | 87.0%            |
| SAU800248     | PSY100942       | 28%      | 57.8%          | 61.2%            |
| SAU800248     | SAU800248       | 100%     | 100%           | 100%             |
| SAU800248     | SEP201149       | 31%      | 86.9%          | 88.3%            |
| SAU800248     | SHA102394       | 30%      | 93.7%          | 93.3%            |
| SAU800248     | YPS000069       | 31%      | 97.2%          | 94.3%            |
| SAU800249     | SAU800249       | 100%     | 100%           | 100%             |
| SAU800250     | ABA100470       | 30%      | 68.3%          | 68.5%            |
| SAU800250     | ABA104607       | 27%      | 99.4%          | 99.7%            |
| SAU800250     | BCE102585       | 31%      | 97.4%          | 96.5%            |
| SAU800250     | BMA104373       | 30%      | 91.6%          | 91.5%            |
| SAU800250     | CAC103234       | 24%      | 98.8%          | 99.2%            |
| SAU800250     | CBO100670       | 42%      | 99.7%          | 98.9%            |
| SAU800250     | CDF103454       | 45%      | 99.7%          | 99.4%            |
| SAU800250     | EFM200976       | 29%      | 60.2%          | 59.9%            |
| SAU800250     | ECO102050       | 36%      | 88.5%          | 89.0%            |
| SAU800250     | KPN300285       | 30%      | 42.1%          | 88.0%            |
| SAU800250     | KPN300067       | 37%      | 41.2%          | 84.6%            |
| SAU800250     | KPN302061       | 33%      | 91.6%          | 91.9%            |
| SAU800250     | LMO100742       | 55%      | 99.1%          | 99.1%            |
| SAU800250     | MAV102599       | 28%      | 99.4%          | 99.4%            |
| SAU800250     | NME301308       | 30%      | 79.3%          | 82.1%            |
| SAU800250     | PRT102478       | 31%      | 87.9%          | 88.3%            |
| SAU800250     | PAE204094       | 32%      | 82.1%          | 82.4%            |
| SAU800250     | PSY101076       | 26%      | 98.8%          | 98.7%            |
| SAU800250     | SPA103909       | 33%      | 91.6%          | 93.5%            |
| SAU800250     | STY100960       | 34%      | 91.6%          | 91.9%            |
| SAU800250     | STM101689       | 34%      | 91.6%          | 91.9%            |
| SAU800250     | SAU800250       | 100%     | 100%           | 100%             |
| SAU800250     | SEP201139       | 31%      | 96.3%          | 95.1%            |
| SAU800250     | SPN401863       | 30%      | 91.6%          | 91.2%            |
| SAU800250     | VCH103605       | 29%      | 87.9%          | 87.8%            |
| SAU800250     | YPS001510       | 31%      | 96.8%          | 97.4%            |
| SAU800251     | ABA104830       | 24%      | 97.1%          | 93.7%            |
| SAU800251     | BAN102596       | 25%      | 88.2%          | 95.3%            |
| SAU800251     | BAN108361       | 31%      | 95.0%          | 95.6%            |
| SAU800251     | BFR100529       | 34%      | 95.0%          | 97.3%            |
| SAU800251     | BPT100080       | 26%      | 92.0%          | 55.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800251     | BCE101526       | 26%      | 95.0%          | 54.6%            |
| SAU800251     | BFU100214       | 27%      | 96.6%          | 95.8%            |
| SAU800251     | BMA106181       | 30%      | 96.6%          | 51.7%            |
| SAU800251     | CJU101513       | 21%      | 92.4%          | 51.8%            |
| SAU800251     | CPN200167       | 23%      | 95.0%          | 96.7%            |
| SAU800251     | CTR200736       | 24%      | 95.0%          | 93.6%            |
| SAU800251     | CAC101569       | 32%      | 95.4%          | 95.6%            |
| SAU800251     | CBO100888       | 35%      | 95.4%          | 92.0%            |
| SAU800251     | CDF102172       | 32%      | 95.0%          | 56.7%            |
| SAU800251     | CDP100619       | 25%      | 77.3%          | 88.3%            |
| SAU800251     | EBC104340       | 27%      | 95.0%          | 91.5%            |
| SAU800251     | EFA201718       | 27%      | 97.5%          | 98.3%            |
| SAU800251     | ECO102687       | 26%      | 95.0%          | 91.5%            |
| SAU800251     | HIN100653       | 30%      | 95.0%          | 94.2%            |
| SAU800251     | HPY101003       | 22%      | 92.4%          | 48.3%            |
| SAU800251     | KPN303853       | 27%      | 95.0%          | 91.5%            |
| SAU800251     | LPN102227       | 23%      | 49.6%          | 56.0%            |
| SAU800251     | LMO100038       | 63%      | 97.5%          | 97.9%            |
| SAU800251     | MCA101101       | 29%      | 97.5%          | 94.6%            |
| SAU800251     | MAV102723       | 23%      | 97.1%          | 92.8%            |
| SAU800251     | MBV100382       | 27%      | 97.5%          | 97.0%            |
| SAU800251     | MLP100220       | 25%      | 97.1%          | 96.7%            |
| SAU800251     | MTU203530       | 27%      | 97.5%          | 97.0%            |
| SAU800251     | MPN100578       | 18%      | 52.5%          | 51.8%            |
| SAU800251     | NGO100250       | 28%      | 95.0%          | 95.2%            |
| SAU800251     | NME201572       | 29%      | 95.0%          | 95.2%            |
| SAU800251     | PMU101608       | 32%      | 95.0%          | 92.0%            |
| SAU800251     | PRT106157       | 28%      | 98.3%          | 91.0%            |
| SAU800251     | PAE203631       | 27%      | 92.0%          | 91.0%            |
| SAU800251     | PPU101184       | 26%      | 93.7%          | 92.3%            |
| SAU800251     | PSY104324       | 27%      | 93.7%          | 90.8%            |
| SAU800251     | SPA100751       | 27%      | 95.0%          | 92.3%            |
| SAU800251     | STY103434       | 26%      | 95.0%          | 91.5%            |
| SAU800251     | SAU800255       | 76%      | 100%           | 100%             |
| SAU800251     | SAU800251       | 100%     | 100%           | 100%             |
| SAU800251     | SEP200082       | 65%      | 100%           | 100%             |
| SAU800251     | SPN401148       | 51%      | 98.3%          | 100%             |
| SAU800251     | TPA100508       | 30%      | 50.8%          | 30.1%            |
| SAU800251     | VCH100518       | 26%      | 92.4%          | 91.4%            |
| SAU800251     | YPS000098       | 27%      | 95.0%          | 89.6%            |
| SAU800252     | LMO101739       | 56%      | 100%           | 100%             |
| SAU800252     | SAU800256       | 80%      | 99.4%          | 99.4%            |
| SAU800252     | SAU800252       | 100%     | 100%           | 100%             |
| SAU800252     | SEP200084       | 67%      | 100%           | 100%             |
| SAU800252     | SPN401147       | 41%      | 100%           | 98.3%            |
| SAU800253     | CDF103032       | 21%      | 41.8%          | 49.4%            |
| SAU800253     | LMO100411       | 50%      | 98.4%          | 98.8%            |
| SAU800253     | SAU800257       | 79%      | 98.9%          | 99.3%            |
| SAU800253     | SAU800253       | 100%     | 100%           | 100%             |
| SAU800253     | SEP200090       | 58%      | 99.5%          | 99.3%            |
| SAU800254     | ABA103648       | 25%      | 17.0%          | 27.2%            |
| SAU800254     | CDF104151       | 24%      | 98.2%          | 95.7%            |
| SAU800254     | EFA201713       | 47%      | 98.7%          | 99.7%            |
| SAU800254     | EFM100909       | 29%      | 98.2%          | 97.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800254     | SAU800254       | 100%     | 100%           | 100%             |
| SAU800254     | SEP200935       | 47%      | 99.7%          | 54.2%            |
| SAU800254     | SHA101588       | 50%      | 99.7%          | 54.2%            |
| SAU800254     | SPN201930       | 32%      | 92.3%          | 90.3%            |
| SAU800255     | ABA104830       | 25%      | 96.6%          | 93.3%            |
| SAU800255     | BAN102596       | 23%      | 88.2%          | 95.3%            |
| SAU800255     | BAN108361       | 31%      | 95.0%          | 95.6%            |
| SAU800255     | BFR100529       | 34%      | 95.0%          | 97.3%            |
| SAU800255     | BPT100080       | 26%      | 92.0%          | 55.2%            |
| SAU800255     | BCE101526       | 27%      | 95.0%          | 54.6%            |
| SAU800255     | BFU100214       | 26%      | 96.2%          | 95.4%            |
| SAU800255     | BMA106181       | 28%      | 96.2%          | 51.5%            |
| SAU800255     | CJU101513       | 23%      | 92.4%          | 51.8%            |
| SAU800255     | CPN200167       | 25%      | 95.0%          | 96.7%            |
| SAU800255     | CTR200736       | 25%      | 95.0%          | 93.6%            |
| SAU800255     | CAC101569       | 30%      | 97.5%          | 97.8%            |
| SAU800255     | CBO100888       | 32%      | 95.0%          | 91.6%            |
| SAU800255     | CDF102172       | 32%      | 95.0%          | 56.7%            |
| SAU800255     | CDP100619       | 29%      | 77.3%          | 87.9%            |
| SAU800255     | EBC104340       | 26%      | 94.1%          | 90.7%            |
| SAU800255     | EFA201718       | 27%      | 95.4%          | 96.2%            |
| SAU800255     | ECO102687       | 27%      | 94.1%          | 90.7%            |
| SAU800255     | HIN100653       | 30%      | 92.4%          | 91.6%            |
| SAU800255     | HPY101003       | 23%      | 92.4%          | 48.3%            |
| SAU800255     | KPN303853       | 27%      | 94.1%          | 90.7%            |
| SAU800255     | LMO100038       | 60%      | 97.5%          | 97.9%            |
| SAU800255     | MCA101101       | 29%      | 97.1%          | 94.2%            |
| SAU800255     | MAV102723       | 23%      | 96.2%          | 91.9%            |
| SAU800255     | MBV100382       | 27%      | 95.0%          | 94.4%            |
| SAU800255     | MLP100220       | 24%      | 96.2%          | 95.9%            |
| SAU800255     | MTU203530       | 27%      | 95.0%          | 94.4%            |
| SAU800255     | MPN100578       | 20%      | 55.5%          | 54.6%            |
| SAU800255     | NGO100250       | 25%      | 95.0%          | 95.2%            |
| SAU800255     | NME201572       | 27%      | 95.0%          | 95.2%            |
| SAU800255     | PMU101608       | 33%      | 94.1%          | 91.2%            |
| SAU800255     | PRT106157       | 30%      | 94.1%          | 87.1%            |
| SAU800255     | PAE203631       | 27%      | 92.0%          | 91.0%            |
| SAU800255     | PPU101184       | 29%      | 93.7%          | 92.3%            |
| SAU800255     | PSY104324       | 30%      | 93.7%          | 90.8%            |
| SAU800255     | SPA100751       | 26%      | 94.1%          | 91.5%            |
| SAU800255     | STY103434       | 26%      | 94.1%          | 90.7%            |
| SAU800255     | SAU800251       | 76%      | 100%           | 100%             |
| SAU800255     | SAU800255       | 100%     | 100%           | 100%             |
| SAU800255     | SEP200082       | 65%      | 100%           | 100%             |
| SAU800255     | SPN401148       | 50%      | 97.1%          | 98.7%            |
| SAU800255     | TPA100508       | 28%      | 50.8%          | 30.1%            |
| SAU800255     | VCH100518       | 28%      | 92.4%          | 91.4%            |
| SAU800255     | YPS000098       | 28%      | 92.4%          | 87.1%            |
| SAU800256     | LMO101739       | 57%      | 99.4%          | 99.4%            |
| SAU800256     | SAU800252       | 80%      | 99.4%          | 99.4%            |
| SAU800256     | SAU800256       | 100%     | 100%           | 100%             |
| SAU800256     | SEP200084       | 65%      | 99.4%          | 99.4%            |
| SAU800256     | SPN401147       | 42%      | 99.4%          | 97.7%            |
| SAU800257     | CDF103032       | 21%      | 42.7%          | 50.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800257     | LMO100411       | 52%      | 99.6%          | 99.6%            |
| SAU800257     | SAU800253       | 79%      | 99.3%          | 98.9%            |
| SAU800257     | SAU800257       | 100%     | 100%           | 100%             |
| SAU800257     | SEP200090       | 60%      | 99.6%          | 99.1%            |
| SAU800258     | ABA104701       | 35%      | 15.7%          | 22.4%            |
| SAU800258     | ABA100036       | 35%      | 15.7%          | 58.1%            |
| SAU800258     | BAN109166       | 35%      | 17.8%          | 37.9%            |
| SAU800258     | BFR11102        | 26%      | 37.9%          | 63.1%            |
| SAU800258     | BPT102737       | 34%      | 18.3%          | 39.1%            |
| SAU800258     | BBU100571       | 25%      | 37.2%          | 62.3%            |
| SAU800258     | BCE115140       | 33%      | 18.8%          | 24.7%            |
| SAU800258     | BFU110385       | 32%      | 18.8%          | 34.1%            |
| SAU800258     | BMA101495       | 28%      | 15.7%          | 28.6%            |
| SAU800258     | CJU101072       | 25%      | 36.8%          | 78.8%            |
| SAU800258     | CJU101065       | 34%      | 19.2%          | 35.6%            |
| SAU800258     | CAC101983       | 23%      | 33.3%          | 58.0%            |
| SAU800258     | CAC103151       | 23%      | 47.3%          | 85.0%            |
| SAU800258     | CAC103767       | 27%      | 34.0%          | 60.4%            |
| SAU800258     | CBO101238       | 33%      | 21.5%          | 28.1%            |
| SAU800258     | CDF100756       | 39%      | 17.3%          | 37.6%            |
| SAU800258     | CDF102522       | 39%      | 18.8%          | 42.6%            |
| SAU800258     | EBC106956       | 24%      | 43.6%          | 75.5%            |
| SAU800258     | EFA201715       | 25%      | 72.8%          | 88.5%            |
| SAU800258     | EFM202433       | 27%      | 47.5%          | 81.5%            |
| SAU800258     | ECO103537       | 25%      | 35.1%          | 60.8%            |
| SAU800258     | HIN100848       | 32%      | 19.7%          | 44.4%            |
| SAU800258     | KPN306449       | 26%      | 35.8%          | 49.1%            |
| SAU800258     | LMO100218       | 30%      | 45.5%          | 41.4%            |
| SAU800258     | LMO102930       | 28%      | 84.6%          | 98.8%            |
| SAU800258     | MAV104430       | 35%      | 9.1%           | 55.4%            |
| SAU800258     | MAV108796       | 31%      | 18.5%          | 87.7%            |
| SAU800258     | MAV105180       | 31%      | 18.5%          | 31.4%            |
| SAU800258     | MBV102059       | 32%      | 21.6%          | 49.2%            |
| SAU800258     | MTU202919       | 32%      | 21.6%          | 45.8%            |
| SAU800258     | MGE100062       | 26%      | 45.9%          | 92.3%            |
| SAU800258     | MPN100080       | 27%      | 45.9%          | 91.3%            |
| SAU800258     | NGO100795       | 27%      | 36.1%          | 67.2%            |
| SAU800258     | NME200769       | 24%      | 1.2%           | 14.9%            |
| SAU800258     | PMU100414       | 24%      | 39.1%          | 37.5%            |
| SAU800258     | PMU100777       | 36%      | 18.8%          | 22.2%            |
| SAU800258     | PRT105387       | 29%      | 34.7%          | 63.3%            |
| SAU800258     | PAE201013       | 25%      | 37.0%          | 63.6%            |
| SAU800258     | PAE200704       | 28%      | 29.3%          | 56.2%            |
| SAU800258     | SPA100813       | 25%      | 35.1%          | 60.9%            |
| SAU800258     | STY100337       | 25%      | 35.1%          | 60.8%            |
| SAU800258     | SAU800258       | 100%     | 100%           | 100%             |
| SAU800258     | SHA103377       | 22%      | 79.8%          | 70.5%            |
| SAU800258     | SMU100179       | 32%      | 16.8%          | 20.6%            |
| SAU800258     | SPN401222       | 27%      | 38.2%          | 67.1%            |
| SAU800258     | SPY200584       | 37%      | 16.8%          | 28.7%            |
| SAU800258     | VCH100222       | 25%      | 17.1%          | 36.7%            |
| SAU800258     | YPS001811       | 26%      | 35.1%          | 63.5%            |
| SAU800259     | ABA105031       | 33%      | 25%            | 42.1%            |
| SAU800259     | ABA103514       | 36%      | 19.6%          | 39.3%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800259     | BAN105960       | 33%      | 97.8%          | 95.4%            |
| SAU800259     | BAN111821       | 35%      | 97.8%          | 95.3%            |
| SAU800259     | BFR104894       | 30%      | 96.0%          | 90.6%            |
| SAU800259     | CAC102864       | 27%      | 99.6%          | 95.4%            |
| SAU800259     | CBO103379       | 26%      | 99.1%          | 98.3%            |
| SAU800259     | EBC101849       | 27%      | 99.1%          | 97.7%            |
| SAU800259     | ECO104099       | 26%      | 99.1%          | 97.7%            |
| SAU800259     | HIN101642       | 27%      | 96.4%          | 95.1%            |
| SAU800259     | KPN301645       | 27%      | 99.1%          | 97.7%            |
| SAU800259     | NGO101099       | 28%      | 64.7%          | 88.5%            |
| SAU800259     | NME201436       | 28%      | 64.7%          | 88.5%            |
| SAU800259     | SPA102874       | 28%      | 99.1%          | 97.7%            |
| SAU800259     | STY103825       | 27%      | 99.1%          | 97.7%            |
| SAU800259     | SAU800259       | 100%     | 100%           | 100%             |
| SAU800259     | SEP200713       | 64%      | 100%           | 100%             |
| SAU800259     | SHA100275       | 56%      | 98.2%          | 94.0%            |
| SAU800259     | YPS002190       | 29%      | 97.8%          | 96.4%            |
| SAU800260     | ABA104881       | 28%      | 35.4%          | 51.2%            |
| SAU800260     | BAN112193       | 36%      | 100%           | 98.7%            |
| SAU800260     | BAN103268       | 47%      | 100%           | 98.6%            |
| SAU800260     | BFR100093       | 32%      | 21.7%          | 64.8%            |
| SAU800260     | BFR105927       | 30%      | 25%            | 41.9%            |
| SAU800260     | BFR100037       | 26%      | 37.7%          | 66.1%            |
| SAU800260     | BFR102275       | 31%      | 34.2%          | 47.6%            |
| SAU800260     | BMA107268       | 28%      | 35.4%          | 42.3%            |
| SAU800260     | CBO102259       | 28%      | 97.9%          | 98.7%            |
| SAU800260     | CDF102594       | 32%      | 19.0%          | 11.5%            |
| SAU800260     | EBC101862       | 29%      | 98.8%          | 97.5%            |
| SAU800260     | EFA201465       | 55%      | 99.7%          | 98.8%            |
| SAU800260     | ECO102085       | 33%      | 88.2%          | 89.7%            |
| SAU800260     | KPN304497       | 30%      | 88.0%          | 87.5%            |
| SAU800260     | MLP100485       | 23%      | 34.2%          | 36.8%            |
| SAU800260     | PRT100975       | 31%      | 90.2%          | 91.0%            |
| SAU800260     | PAE205257       | 30%      | 32.0%          | 48.9%            |
| SAU800260     | PSY101223       | 29%      | 37.3%          | 58.9%            |
| SAU800260     | SPA101285       | 31%      | 69.7%          | 90.6%            |
| SAU800260     | STY104209       | 32%      | 88.2%          | 89.7%            |
| SAU800260     | SAU800260       | 100%     | 100%           | 100%             |
| SAU800260     | SEP201115       | 62%      | 100%           | 98.6%            |
| SAU800260     | SHA101627       | 60%      | 100%           | 99.8%            |
| SAU800260     | SMU100699       | 42%      | 99.5%          | 99.0%            |
| SAU800260     | SPY201225       | 30%      | 30.1%          | 30.7%            |
| SAU800260     | UUR100332       | 31%      | 14.4%          | 25.4%            |
| SAU800260     | VCH100681       | 34%      | 96.4%          | 96.6%            |
| SAU800260     | YPS002393       | 30%      | 96.6%          | 95.6%            |
| SAU800261     | ABA105148       | 27%      | 90.7%          | 90.2%            |
| SAU800261     | BAN111111       | 33%      | 30.1%          | 32.7%            |
| SAU800261     | BAN106990       | 23%      | 81.3%          | 97.5%            |
| SAU800261     | BAN100847       | 26%      | 99.6%          | 100%             |
| SAU800261     | BAN109397       | 41%      | 87.0%          | 95.5%            |
| SAU800261     | BAN108013       | 43%      | 97.6%          | 97.6%            |
| SAU800261     | BFR101022       | 26%      | 90.2%          | 92.2%            |
| SAU800261     | BFR102850       | 28%      | 88.2%          | 93.5%            |
| SAU800261     | BMA102889       | 25%      | 73.2%          | 83.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800261     | CAC100960       | 32%      | 93.9%          | 92.9%            |
| SAU800261     | CBO102381       | 31%      | 99.6%          | 98.8%            |
| SAU800261     | CDF100237       | 26%      | 85.8%          | 83.5%            |
| SAU800261     | CDF102273       | 26%      | 85.8%          | 83.7%            |
| SAU800261     | CDF104306       | 34%      | 97.6%          | 98.0%            |
| SAU800261     | EBC101861       | 31%      | 97.6%          | 97.9%            |
| SAU800261     | EFA201466       | 39%      | 99.6%          | 99.6%            |
| SAU800261     | ECO102338       | 31%      | 97.6%          | 98.0%            |
| SAU800261     | KPN305564       | 30%      | 99.6%          | 99.6%            |
| SAU800261     | PRT100974       | 28%      | 100%           | 100%             |
| SAU800261     | PAE205256       | 27%      | 86.6%          | 85.9%            |
| SAU800261     | PPU105503       | 27%      | 86.6%          | 85.8%            |
| SAU800261     | PSY101225       | 26%      | 86.6%          | 85.9%            |
| SAU800261     | SPA100641       | 31%      | 99.6%          | 99.6%            |
| SAU800261     | STY104207       | 31%      | 99.6%          | 99.6%            |
| SAU800261     | SAU800261       | 100%     | 100%           | 100%             |
| SAU800261     | SEP201118       | 56%      | 99.6%          | 99.6%            |
| SAU800261     | SHA101628       | 56%      | 99.6%          | 99.6%            |
| SAU800261     | SMU100697       | 38%      | 99.6%          | 100%             |
| SAU800261     | VCH100680       | 31%      | 99.2%          | 98.7%            |
| SAU800261     | YPS003402       | 30%      | 99.6%          | 99.2%            |
| SAU800265     | SAU800265       | 100%     | 100%           | 100%             |
| SAU800266     | BCE112960       | 30%      | 12.3%          | 27.8%            |
| SAU800266     | CAC102672       | 53%      | 98.3%          | 97.9%            |
| SAU800266     | CBO101233       | 51%      | 99.4%          | 99.8%            |
| SAU800266     | CDF104152       | 58%      | 99.6%          | 97.5%            |
| SAU800266     | EBC102957       | 61%      | 99.4%          | 99.0%            |
| SAU800266     | EFA201872       | 61%      | 100%           | 100%             |
| SAU800266     | EFM200012       | 50%      | 100%           | 100%             |
| SAU800266     | ECO102837       | 60%      | 99.4%          | 98.5%            |
| SAU800266     | HPY100481       | 23%      | 28.5%          | 20.1%            |
| SAU800266     | KPN302322       | 61%      | 99.4%          | 99.0%            |
| SAU800266     | LMO101366       | 52%      | 99.2%          | 98.5%            |
| SAU800266     | PAE202235       | 23%      | 23.2%          | 24.4%            |
| SAU800266     | SPA102065       | 60%      | 99.4%          | 99.8%            |
| SAU800266     | STY104157       | 60%      | 99.4%          | 99.0%            |
| SAU800266     | STM100453       | 60%      | 99.4%          | 99.0%            |
| SAU800266     | SAU800266       | 100%     | 100%           | 100%             |
| SAU800266     | SMU101099       | 59%      | 100%           | 100%             |
| SAU800266     | SPN400276       | 59%      | 100%           | 99.8%            |
| SAU800266     | SPY200413       | 50%      | 98.5%          | 97.5%            |
| SAU800266     | VCH101534       | 59%      | 99.2%          | 98.7%            |
| SAU800266     | YPS000320       | 61%      | 99.6%          | 99.2%            |
| SAU800275     | BAN105787       | 31%      | 91.5%          | 95.9%            |
| SAU800275     | BAN100216       | 31%      | 95.5%          | 96.3%            |
| SAU800275     | BFR10144        | 27%      | 80.3%          | 76.3%            |
| SAU800275     | BPT100089       | 23%      | 84.2%          | 73.0%            |
| SAU800275     | EFA201193       | 26%      | 95.5%          | 96.3%            |
| SAU800275     | EFM200963       | 30%      | 57.9%          | 97.4%            |
| SAU800275     | EFM201908       | 28%      | 93.9%          | 95.1%            |
| SAU800275     | LPN102698       | 25%      | 84.8%          | 77.1%            |
| SAU800275     | LMO102567       | 33%      | 98.8%          | 99.7%            |
| SAU800275     | PRT102323       | 23%      | 78.5%          | 76.9%            |
| SAU800275     | STY104246       | 21%      | 88.2%          | 85.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800275     | STM100292       | 24%      | 69.1%          | 65.3%            |
| SAU800275     | SAU800275       | 100%     | 100%           | 100%             |
| SAU800275     | SEP200129       | 39%      | 97.0%          | 97.5%            |
| SAU800275     | SHA102499       | 57%      | 96.1%          | 96.6%            |
| SAU800275     | VCH103597       | 24%      | 87.6%          | 75.7%            |
| SAU800276     | ABA104564       | 35%      | 34.2%          | 61.2%            |
| SAU800276     | ABA104278       | 38%      | 35.4%          | 47.0%            |
| SAU800276     | BAN102443       | 32%      | 23.4%          | 78.4%            |
| SAU800276     | BAN107541       | 39%      | 17.7%          | 75.3%            |
| SAU800276     | BAN102744       | 31%      | 32.9%          | 47.0%            |
| SAU800276     | BAN105155       | 33%      | 32.9%          | 33.8%            |
| SAU800276     | BAN105190       | 35%      | 31.3%          | 46.1%            |
| SAU800276     | BAN106068       | 33%      | 34.2%          | 70.7%            |
| SAU800276     | BAN110711       | 32%      | 32.9%          | 24.3%            |
| SAU800276     | BAN105770       | 24%      | 90.8%          | 53.5%            |
| SAU800276     | BFR104439       | 36%      | 32.6%          | 30.1%            |
| SAU800276     | BPT100952       | 25%      | 32.9%          | 34.0%            |
| SAU800276     | BPT102841       | 42%      | 27.2%          | 18.3%            |
| SAU800276     | BBU100261       | 40%      | 28.8%          | 21.6%            |
| SAU800276     | BCE109741       | 33%      | 34.8%          | 45.2%            |
| SAU800276     | BFU110700       | 38%      | 32.9%          | 24.1%            |
| SAU800276     | BMA106266       | 34%      | 32.3%          | 32.2%            |
| SAU800276     | BMA107058       | 28%      | 49.1%          | 54.7%            |
| SAU800276     | CJU101140       | 41%      | 33.5%          | 26.2%            |
| SAU800276     | CBO103952       | 34%      | 27.2%          | 31.8%            |
| SAU800276     | CBO100842       | 36%      | 34.2%          | 32.8%            |
| SAU800276     | CDP102682       | 39%      | 36.1%          | 45.4%            |
| SAU800276     | EBC101986       | 44%      | 31.6%          | 22.6%            |
| SAU800276     | EFA104124       | 31%      | 28.8%          | 10.3%            |
| SAU800276     | EFM201027       | 25%      | 36.7%          | 31.5%            |
| SAU800276     | ECO101824       | 46%      | 31.6%          | 22.4%            |
| SAU800276     | HIN100389       | 40%      | 27.2%          | 17.9%            |
| SAU800276     | HPY101521       | 35%      | 27.8%          | 28.6%            |
| SAU800276     | HPY101520       | 39%      | 27.2%          | 27.6%            |
| SAU800276     | KPN301974       | 45%      | 31.6%          | 21.4%            |
| SAU800276     | LPN103304       | 28%      | 48.4%          | 31.2%            |
| SAU800276     | LPN100852       | 28%      | 33.9%          | 33.7%            |
| SAU800276     | MAV105579       | 39%      | 35.8%          | 47.8%            |
| SAU800276     | MBV101965       | 40%      | 35.8%          | 32.5%            |
| SAU800276     | MLP100112       | 36%      | 35.8%          | 32.4%            |
| SAU800276     | MTU200941       | 40%      | 35.8%          | 32.5%            |
| SAU800276     | NME100252       | 38%      | 33.9%          | 62.0%            |
| SAU800276     | PMU100243       | 32%      | 48.4%          | 26.0%            |
| SAU800276     | PRT104826       | 42%      | 31.6%          | 22.4%            |
| SAU800276     | PAE205358       | 39%      | 26.6%          | 30.1%            |
| SAU800276     | PAE204402       | 41%      | 28.8%          | 29.0%            |
| SAU800276     | PPU101395       | 25%      | 32.9%          | 35.6%            |
| SAU800276     | PSY103768       | 27%      | 32.9%          | 35.8%            |
| SAU800276     | SPA101025       | 45%      | 31.6%          | 21.4%            |
| SAU800276     | STY102254       | 45%      | 31.6%          | 21.4%            |
| SAU800276     | STM104197       | 29%      | 39.6%          | 28.1%            |
| SAU800276     | SAU800212       | 41%      | 41.5%          | 69.8%            |
| SAU800276     | SAU800276       | 100%     | 100%           | 100%             |
| SAU800276     | SHA101766       | 42%      | 43.0%          | 75.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800276     | TPA100698       | 30%      | 29.1%          | 29.2%            |
| SAU800276     | VCH103759       | 29%      | 36.4%          | 33.1%            |
| SAU800276     | VCH100495       | 40%      | 27.2%          | 19.7%            |
| SAU800276     | VCH100828       | 37%      | 27.2%          | 28.1%            |
| SAU800276     | VCH102815       | 33%      | 41.1%          | 30%              |
| SAU800276     | YPS003469       | 44%      | 31.6%          | 22.5%            |
| SAU800283     | BPT100278       | 22%      | 13.4%          | 48.4%            |
| SAU800283     | CAC101825       | 20%      | 80.8%          | 94.0%            |
| SAU800283     | EFA104022       | 20%      | 99.0%          | 98.2%            |
| SAU800283     | KPN303530       | 19%      | 14.8%          | 32.5%            |
| SAU800283     | LMO100848       | 22%      | 99.9%          | 99.3%            |
| SAU800283     | PPU108475       | 20%      | 11.9%          | 38.6%            |
| SAU800283     | SAU800283       | 100%     | 100%           | 100%             |
| SAU800283     | SPY100981       | 23%      | 21.1%          | 94.5%            |
| SAU800283     | VCH103001       | 21%      | 9.5%           | 14.9%            |
| SAU800283     | VCH102911       | 23%      | 11.9%          | 19.3%            |
| SAU800283     | VCH100506       | 26%      | 12.9%          | 20.8%            |
| SAU800286     | ABA101446       | 26%      | 17.8%          | 27.9%            |
| SAU800286     | BCE101210       | 26%      | 18.7%          | 91.2%            |
| SAU800286     | BFU105853       | 34%      | 7.0%           | 72.3%            |
| SAU800286     | CJU101537       | 25%      | 22.3%          | 35.6%            |
| SAU800286     | CAC102758       | 24%      | 79.7%          | 96.8%            |
| SAU800286     | CBO102824       | 25%      | 48.2%          | 68.4%            |
| SAU800286     | CBO100018       | 24%      | 48.6%          | 66.9%            |
| SAU800286     | EFA101293       | 24%      | 72.7%          | 80.5%            |
| SAU800286     | EFM201359       | 21%      | 43.0%          | 26.6%            |
| SAU800286     | HPY100503       | 30%      | 11.7%          | 4.6%             |
| SAU800286     | HPY100850       | 35%      | 15.8%          | 15.9%            |
| SAU800286     | LMO101757       | 28%      | 84.5%          | 93.7%            |
| SAU800286     | MCA103136       | 27%      | 13.3%          | 37.1%            |
| SAU800286     | PAE200936       | 32%      | 15.3%          | 36.9%            |
| SAU800286     | SPA101872       | 25%      | 16.9%          | 61.5%            |
| SAU800286     | SAU800286       | 100%     | 100%           | 100%             |
| SAU800286     | UUR100158       | 29%      | 26.6%          | 59.3%            |
| SAU800287     | BBU100078       | 28%      | 24.8%          | 59.5%            |
| SAU800287     | SAU800287       | 100%     | 100%           | 100%             |
| SAU800287     | SPY200883       | 28%      | 19.3%          | 54.1%            |
| SAU800292     | SAU800292       | 100%     | 100%           | 100%             |
| SAU800293     | BAN113454       | 21%      | 29.0%          | 49.1%            |
| SAU800293     | CBO103647       | 23%      | 21.7%          | 75%              |
| SAU800293     | ECO204585       | 24%      | 30.9%          | 55.1%            |
| SAU800293     | LMO101645       | 26%      | 46.9%          | 48.8%            |
| SAU800293     | NME102132       | 41%      | 22.8%          | 4.8%             |
| SAU800293     | SAU800293       | 100%     | 100%           | 100%             |
| SAU800293     | SEP201736       | 72%      | 27.2%          | 97.7%            |
| SAU800304     | CPN200460       | 29%      | 54.5%          | 36.0%            |
| SAU800304     | CTR100067       | 25%      | 59.1%          | 10.5%            |
| SAU800304     | CDP102359       | 30%      | 49.2%          | 44.4%            |
| SAU800304     | LMO101154       | 25%      | 94.7%          | 94.7%            |
| SAU800304     | SAU800304       | 100%     | 100%           | 100%             |
| SAU800304     | SEP201470       | 44%      | 94.7%          | 91.9%            |
| SAU800305     | ABA104491       | 20%      | 84.3%          | 82.8%            |
| SAU800305     | BAN107562       | 26%      | 89.1%          | 96.9%            |
| SAU800305     | BAN109607       | 31%      | 89.1%          | 86.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800305     | CDF101129       | 25%      | 81.0%          | 78.4%            |
| SAU800305     | CDP101732       | 29%      | 93.1%          | 96.6%            |
| SAU800305     | EFA202014       | 32%      | 92.0%          | 95.1%            |
| SAU800305     | ECO100879       | 27%      | 88.3%          | 90.5%            |
| SAU800305     | KPN301831       | 29%      | 88.3%          | 90.5%            |
| SAU800305     | LMO100297       | 33%      | 90.5%          | 94.0%            |
| SAU800305     | MAV102148       | 19%      | 88.3%          | 79.6%            |
| SAU800305     | SPA100790       | 27%      | 88.3%          | 90.5%            |
| SAU800305     | STY102906       | 28%      | 88.3%          | 90.5%            |
| SAU800305     | SAU800305       | 100%     | 100%           | 100%             |
| SAU800305     | TPA100147       | 22%      | 53.6%          | 77.7%            |
| SAU800306     | BAN105396       | 32%      | 42.8%          | 93.9%            |
| SAU800306     | BAN108451       | 37%      | 48.3%          | 90.9%            |
| SAU800306     | BAN104682       | 33%      | 75.9%          | 76.3%            |
| SAU800306     | BAN111826       | 36%      | 94.9%          | 99.3%            |
| SAU800306     | BAN110648       | 36%      | 96.3%          | 95.7%            |
| SAU800306     | BAN101686       | 37%      | 95.2%          | 94.1%            |
| SAU800306     | BAN102943       | 39%      | 94.9%          | 92.9%            |
| SAU800306     | BAN111315       | 41%      | 93.8%          | 94.5%            |
| SAU800306     | BAN106066       | 43%      | 97.0%          | 94.2%            |
| SAU800306     | CPN100816       | 29%      | 84.1%          | 99.7%            |
| SAU800306     | CTR200831       | 31%      | 86.2%          | 93.9%            |
| SAU800306     | CDP100585       | 37%      | 96.6%          | 95.2%            |
| SAU800306     | EBC101909       | 34%      | 97.0%          | 95.7%            |
| SAU800306     | ECO100393       | 34%      | 97.0%          | 95.7%            |
| SAU800306     | HIN100217       | 34%      | 98.4%          | 98.6%            |
| SAU800306     | KPN304909       | 34%      | 97.0%          | 95.7%            |
| SAU800306     | MAV102959       | 26%      | 24.8%          | 24.5%            |
| SAU800306     | PRT101268       | 33%      | 97.5%          | 95.1%            |
| SAU800306     | PAE111475       | 32%      | 98.9%          | 97.9%            |
| SAU800306     | PSY105025       | 32%      | 99.1%          | 97.1%            |
| SAU800306     | SPA101111       | 34%      | 97.0%          | 98.4%            |
| SAU800306     | STY100358       | 34%      | 97.0%          | 95.7%            |
| SAU800306     | STM100030       | 34%      | 97.0%          | 95.7%            |
| SAU800306     | SAU800306       | 100%     | 100%           | 100%             |
| SAU800306     | YPS002598       | 34%      | 98.6%          | 97.3%            |
| SAU800312     | CBO101529       | 57%      | 98.7%          | 99.0%            |
| SAU800312     | ECO102124       | 58%      | 97.4%          | 96.2%            |
| SAU800312     | LMO102136       | 64%      | 98.7%          | 100%             |
| SAU800312     | MAV102083       | 31%      | 19.5%          | 9.2%             |
| SAU800312     | SAU800312       | 100%     | 100%           | 100%             |
| SAU800316     | BAN105252       | 30%      | 98.6%          | 96.3%            |
| SAU800316     | BAN110511       | 30%      | 99.0%          | 96.2%            |
| SAU800316     | CDF102875       | 32%      | 99.0%          | 96.6%            |
| SAU800316     | CDP102797       | 28%      | 97.9%          | 95.2%            |
| SAU800316     | EFM101648       | 28%      | 85.3%          | 99.2%            |
| SAU800316     | KPN306186       | 25%      | 99.7%          | 94.9%            |
| SAU800316     | LMO102782       | 30%      | 99.0%          | 93.7%            |
| SAU800316     | MBV103969       | 26%      | 87.1%          | 80.8%            |
| SAU800316     | MLP100628       | 27%      | 87.1%          | 66.0%            |
| SAU800316     | MTU202665       | 26%      | 87.1%          | 80.8%            |
| SAU800316     | STM106921       | 29%      | 99.0%          | 95.6%            |
| SAU800316     | SAU800316       | 100%     | 100%           | 100%             |
| SAU800316     | SHA102513       | 60%      | 99.7%          | 99.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800316     | SMU101182       | 24%      | 99.0%          | 95.6%            |
| SAU800316     | SPN401518       | 33%      | 95.5%          | 91.2%            |
| SAU800316     | SPY200188       | 34%      | 90.9%          | 83.0%            |
| SAU800317     | BAN102972       | 21%      | 90.2%          | 92.5%            |
| SAU800317     | BAN110476       | 23%      | 93.2%          | 92.0%            |
| SAU800317     | BFR12282        | 23%      | 36.1%          | 47.6%            |
| SAU800317     | BFU112683       | 29%      | 68.0%          | 59.9%            |
| SAU800317     | CPN200223       | 27%      | 46.6%          | 37.7%            |
| SAU800317     | CTR200669       | 23%      | 61.7%          | 50.3%            |
| SAU800317     | CDF101700       | 30%      | 95.9%          | 94.3%            |
| SAU800317     | EFA201145       | 26%      | 94.7%          | 93.4%            |
| SAU800317     | EFM200491       | 28%      | 59.4%          | 84.4%            |
| SAU800317     | EFM201355       | 27%      | 89.1%          | 87.9%            |
| SAU800317     | ECO103983       | 21%      | 91.7%          | 84.7%            |
| SAU800317     | HPY100844       | 21%      | 49.6%          | 81.2%            |
| SAU800317     | KPN303958       | 27%      | 86.8%          | 82.2%            |
| SAU800317     | LMO102737       | 29%      | 99.2%          | 98.9%            |
| SAU800317     | PMU101714       | 26%      | 94.7%          | 93.1%            |
| SAU800317     | PRT104743       | 28%      | 87.2%          | 83.1%            |
| SAU800317     | SPA103454       | 27%      | 88.7%          | 91.9%            |
| SAU800317     | STY103692       | 27%      | 91.4%          | 87.7%            |
| SAU800317     | SAU800317       | 100%     | 100%           | 100%             |
| SAU800317     | SHA102514       | 62%      | 100%           | 99.3%            |
| SAU800317     | SPN401517       | 25%      | 87.6%          | 83.0%            |
| SAU800317     | SPY200189       | 23%      | 87.2%          | 85.1%            |
| SAU800317     | YPS000704       | 28%      | 91.4%          | 87.7%            |
| SAU800319     | BAN107818       | 43%      | 95.2%          | 98.6%            |
| SAU800319     | BAN111398       | 50%      | 96.3%          | 95.0%            |
| SAU800319     | CDF101739       | 25%      | 28.6%          | 28.9%            |
| SAU800319     | EFM202389       | 20%      | 36.6%          | 29.9%            |
| SAU800319     | ECO104218       | 22%      | 29.1%          | 100%             |
| SAU800319     | STY104427       | 23%      | 29.1%          | 100%             |
| SAU800319     | SAU800319       | 100%     | 100%           | 100%             |
| SAU800319     | TPA100874       | 28%      | 25.9%          | 31.8%            |
| SAU800320     | ABA100458       | 27%      | 28.1%          | 42.9%            |
| SAU800320     | BCE102274       | 27%      | 28.7%          | 39.0%            |
| SAU800320     | CJU100372       | 27%      | 23.0%          | 51.4%            |
| SAU800320     | EBC101629       | 27%      | 12.4%          | 58.3%            |
| SAU800320     | KPN109847       | 27%      | 8.0%           | 64.5%            |
| SAU800320     | PRT100002       | 25%      | 23.2%          | 55.4%            |
| SAU800320     | STM101419       | 19%      | 26.0%          | 59.5%            |
| SAU800320     | SAU800320       | 100%     | 100%           | 100%             |
| SAU800320     | SEP200085       | 43%      | 95.9%          | 98.7%            |
| SAU800320     | SEP201313       | 44%      | 97.7%          | 100%             |
| SAU800322     | ABA101390       | 28%      | 81.7%          | 89.1%            |
| SAU800322     | MCA102847       | 29%      | 82.7%          | 44.3%            |
| SAU800322     | MAV101742       | 24%      | 81.2%          | 85.9%            |
| SAU800322     | PRT105900       | 28%      | 87.0%          | 50%              |
| SAU800322     | SAU800322       | 100%     | 100%           | 100%             |
| SAU800322     | SHA101400       | 73%      | 99.2%          | 100%             |
| SAU800322     | SPY200933       | 56%      | 98.7%          | 98.7%            |
| SAU800322     | YPS001892       | 28%      | 82.7%          | 47.1%            |
| SAU800323     | BAN101807       | 34%      | 99.4%          | 99.4%            |
| SAU800323     | BAN104655       | 36%      | 99.7%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800323     | BFU101224       | 35%      | 99.7%          | 97.3%            |
| SAU800323     | EBC102047       | 31%      | 99.4%          | 99.1%            |
| SAU800323     | EFA200166       | 34%      | 87.7%          | 88.1%            |
| SAU800323     | EFM201597       | 31%      | 35.1%          | 32.1%            |
| SAU800323     | KPN306260       | 32%      | 99.1%          | 96.4%            |
| SAU800323     | LMO101467       | 30%      | 98.8%          | 96.7%            |
| SAU800323     | MBV103301       | 33%      | 23.4%          | 21.1%            |
| SAU800323     | MTU203566       | 26%      | 50.8%          | 45.8%            |
| SAU800323     | SAU800323       | 100%     | 100%           | 100%             |
| SAU800323     | SEP202024       | 35%      | 98.5%          | 100%             |
| SAU800323     | SHA101401       | 57%      | 98.8%          | 99.1%            |
| SAU800323     | SPY200932       | 42%      | 99.7%          | 99.4%            |
| SAU800324     | EFM200400       | 32%      | 58.2%          | 75.3%            |
| SAU800324     | SAU800324       | 100%     | 100%           | 100%             |
| SAU800324     | SHA101402       | 74%      | 99.1%          | 96.5%            |
| SAU800324     | SPY200931       | 60%      | 100%           | 100%             |
| SAU800325     | BCE104123       | 39%      | 64.3%          | 91.4%            |
| SAU800325     | BFU108796       | 40%      | 64.3%          | 87.4%            |
| SAU800325     | BMA108179       | 41%      | 64.3%          | 86.2%            |
| SAU800325     | CBO100447       | 36%      | 67.7%          | 95.6%            |
| SAU800325     | CDF100524       | 40%      | 91.7%          | 90.2%            |
| SAU800325     | CDF102828       | 40%      | 91.7%          | 90.2%            |
| SAU800325     | CDP102191       | 30%      | 50.8%          | 52.8%            |
| SAU800325     | EBC100310       | 37%      | 46.2%          | 94.5%            |
| SAU800325     | ECO101018       | 38%      | 67.7%          | 97.2%            |
| SAU800325     | KPN300929       | 40%      | 63.9%          | 92.6%            |
| SAU800325     | LMO101460       | 37%      | 66.9%          | 97.7%            |
| SAU800325     | MBV104961       | 26%      | 65.0%          | 91.8%            |
| SAU800325     | MTU201866       | 26%      | 67.3%          | 49.0%            |
| SAU800325     | PAE203691       | 39%      | 65.0%          | 93.1%            |
| SAU800325     | SPA101879       | 38%      | 65.8%          | 95.4%            |
| SAU800325     | STY102451       | 38%      | 66.9%          | 91.4%            |
| SAU800325     | STM102273       | 38%      | 66.9%          | 95.0%            |
| SAU800325     | SAU800325       | 100%     | 100%           | 100%             |
| SAU800325     | SHA101403       | 67%      | 96.6%          | 97.4%            |
| SAU800325     | SMU100880       | 52%      | 20.7%          | 88.5%            |
| SAU800325     | SPY200930       | 47%      | 88.3%          | 88.5%            |
| SAU800329     | BFR104541       | 22%      | 42.2%          | 43.2%            |
| SAU800329     | BFU101821       | 27%      | 26.6%          | 34.2%            |
| SAU800329     | CJU100192       | 23%      | 21.4%          | 17.7%            |
| SAU800329     | CBO101651       | 46%      | 87.5%          | 95.8%            |
| SAU800329     | CDF103467       | 42%      | 93.1%          | 99.3%            |
| SAU800329     | CDP101502       | 46%      | 97.8%          | 87.5%            |
| SAU800329     | EBC103032       | 60%      | 93.1%          | 89.7%            |
| SAU800329     | EFA202094       | 53%      | 99.3%          | 98.7%            |
| SAU800329     | EFM202208       | 51%      | 99.1%          | 98.0%            |
| SAU800329     | ECO104083       | 28%      | 84.2%          | 79.1%            |
| SAU800329     | KPN300829       | 54%      | 92.6%          | 99.8%            |
| SAU800329     | LMO101576       | 39%      | 94.9%          | 100%             |
| SAU800329     | MPN100347       | 26%      | 85.9%          | 65.6%            |
| SAU800329     | PMU100764       | 27%      | 83.9%          | 61.1%            |
| SAU800329     | PRT101595       | 59%      | 91.5%          | 97.8%            |
| SAU800329     | PAE201072       | 22%      | 41.3%          | 49.5%            |
| SAU800329     | SPA102151       | 59%      | 93.1%          | 99.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800329     | STY100986       | 57%      | 98.2%          | 95.9%            |
| SAU800329     | STM103582       | 27%      | 84.2%          | 80.5%            |
| SAU800329     | SAU800329       | 100%     | 100%           | 100%             |
| SAU800329     | SMU101548       | 27%      | 95.3%          | 74.4%            |
| SAU800329     | SPN401935       | 55%      | 98.9%          | 98.9%            |
| SAU800329     | SPY201500       | 47%      | 83.9%          | 92.0%            |
| SAU800329     | VCH102979       | 27%      | 83.5%          | 64.8%            |
| SAU800329     | YPS002467       | 58%      | 91.5%          | 97.8%            |
| SAU800331     | CBO103205       | 29%      | 95.2%          | 20.2%            |
| SAU800331     | CBO101804       | 34%      | 89.8%          | 91.7%            |
| SAU800331     | CDP101500       | 31%      | 95.9%          | 53.0%            |
| SAU800331     | EBC103030       | 38%      | 91.8%          | 92.5%            |
| SAU800331     | EFM101075       | 42%      | 74.1%          | 16.0%            |
| SAU800331     | EFM101390       | 39%      | 89.1%          | 100%             |
| SAU800331     | ECO102869       | 35%      | 95.2%          | 95.2%            |
| SAU800331     | KPN302210       | 27%      | 91.2%          | 87.7%            |
| SAU800331     | MPN100348       | 30%      | 79.6%          | 74.2%            |
| SAU800331     | PMU100765       | 27%      | 94.6%          | 92.9%            |
| SAU800331     | PRT101596       | 37%      | 96.6%          | 97.3%            |
| SAU800331     | SPA102150       | 38%      | 93.9%          | 94.6%            |
| SAU800331     | STY100988       | 38%      | 93.9%          | 94.6%            |
| SAU800331     | STM103598       | 29%      | 90.5%          | 87.7%            |
| SAU800331     | SAU800331       | 100%     | 100%           | 100%             |
| SAU800331     | SMU101550       | 26%      | 86.4%          | 78.9%            |
| SAU800331     | SPY103087       | 47%      | 95.9%          | 47.9%            |
| SAU800331     | VCH102978       | 32%      | 83.0%          | 72.6%            |
| SAU800331     | YPS000504       | 35%      | 96.6%          | 97.3%            |
| SAU800332     | BAN107904       | 23%      | 73.4%          | 76.7%            |
| SAU800332     | BAN107563       | 25%      | 73.4%          | 75.1%            |
| SAU800332     | CBO101804       | 28%      | 20.1%          | 87.6%            |
| SAU800332     | CBO103205       | 27%      | 96.0%          | 97.0%            |
| SAU800332     | CDF102314       | 27%      | 80.8%          | 85.0%            |
| SAU800332     | EBC102873       | 19%      | 73.0%          | 74.2%            |
| SAU800332     | EFM101032       | 23%      | 74.8%          | 74.3%            |
| SAU800332     | KPN303781       | 21%      | 91.4%          | 90.9%            |
| SAU800332     | LPN102667       | 45%      | 7.1%           | 83.6%            |
| SAU800332     | LPN102202       | 29%      | 17.1%          | 64.9%            |
| SAU800332     | SPA101630       | 21%      | 73.0%          | 78.4%            |
| SAU800332     | STY103901       | 21%      | 73.0%          | 72.0%            |
| SAU800332     | STM104079       | 21%      | 73.0%          | 74.3%            |
| SAU800332     | SAU800332       | 100%     | 100%           | 100%             |
| SAU800332     | SMU101095       | 24%      | 97.1%          | 98.8%            |
| SAU800332     | SPN201210       | 21%      | 82.5%          | 98.4%            |
| SAU800332     | TPA100019       | 26%      | 10.6%          | 9.3%             |
| SAU800335     | BAN100193       | 41%      | 50.7%          | 80.2%            |
| SAU800335     | BAN101506       | 38%      | 84.2%          | 100%             |
| SAU800335     | EFA202413       | 46%      | 84.2%          | 88.4%            |
| SAU800335     | HPY200316       | 25%      | 40.8%          | 55.4%            |
| SAU800335     | LMO100245       | 48%      | 87.5%          | 89.4%            |
| SAU800335     | SAU800335       | 100%     | 100%           | 100%             |
| SAU800335     | SEP202194       | 43%      | 84.2%          | 77.6%            |
| SAU800335     | SHA102099       | 49%      | 90.1%          | 88.8%            |
| SAU800344     | ABA102358       | 24%      | 61.5%          | 66.3%            |
| SAU800344     | BFR11444        | 20%      | 43.7%          | 50.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800344     | BCE100967       | 23%      | 39.4%          | 37.7%            |
| SAU800344     | BFU103253       | 40%      | 98.9%          | 90.6%            |
| SAU800344     | BMA106672       | 23%      | 48.2%          | 38.2%            |
| SAU800344     | CDP100265       | 35%      | 94.6%          | 88.9%            |
| SAU800344     | EBC101731       | 37%      | 94.6%          | 85.9%            |
| SAU800344     | ECO100993       | 35%      | 96.2%          | 88.2%            |
| SAU800344     | KPN300306       | 37%      | 27.2%          | 89.0%            |
| SAU800344     | KPN306611       | 36%      | 96.2%          | 87.4%            |
| SAU800344     | LMO102378       | 39%      | 97.0%          | 86.0%            |
| SAU800344     | MCA101190       | 50%      | 91.1%          | 100%             |
| SAU800344     | MAV102154       | 44%      | 78.4%          | 97.7%            |
| SAU800344     | MBV101906       | 21%      | 56.1%          | 60.4%            |
| SAU800344     | MTU200793       | 21%      | 56.1%          | 57.9%            |
| SAU800344     | NGO101923       | 34%      | 94.9%          | 87.2%            |
| SAU800344     | NME200265       | 34%      | 94.9%          | 87.2%            |
| SAU800344     | PMU100455       | 23%      | 29.9%          | 35.8%            |
| SAU800344     | PRT102104       | 33%      | 92.7%          | 84.8%            |
| SAU800344     | PSY102854       | 33%      | 95.4%          | 84.3%            |
| SAU800344     | SPA100238       | 25%      | 37.5%          | 45.1%            |
| SAU800344     | STY101514       | 25%      | 37.5%          | 46.5%            |
| SAU800344     | SAU800344       | 100%     | 100%           | 100%             |
| SAU800344     | SHA101900       | 76%      | 100%           | 90.9%            |
| SAU800344     | SPN401178       | 48%      | 91.1%          | 99.4%            |
| SAU800344     | VCH102112       | 22%      | 43.7%          | 51.3%            |
| SAU800344     | YPS001606       | 35%      | 97.0%          | 86.4%            |
| SAU800345     | ABA102759       | 23%      | 31.0%          | 74.6%            |
| SAU800345     | BAN111991       | 31%      | 16.1%          | 73.4%            |
| SAU800345     | BPT104464       | 24%      | 42.4%          | 93.6%            |
| SAU800345     | BCE111047       | 22%      | 42.4%          | 93.6%            |
| SAU800345     | BFU113717       | 23%      | 42.4%          | 93.2%            |
| SAU800345     | CJU101563       | 25%      | 93.3%          | 80.0%            |
| SAU800345     | EBC100769       | 25%      | 27.0%          | 57.4%            |
| SAU800345     | ECO201335       | 24%      | 27.0%          | 57.0%            |
| SAU800345     | KPN306701       | 23%      | 35.2%          | 73.2%            |
| SAU800345     | LMO100238       | 27%      | 70.9%          | 84.6%            |
| SAU800345     | MAV107152       | 23%      | 33.3%          | 59.4%            |
| SAU800345     | NGO101920       | 22%      | 35.2%          | 72.7%            |
| SAU800345     | NME200263       | 22%      | 35.2%          | 72.4%            |
| SAU800345     | PMU100453       | 23%      | 81.3%          | 74.1%            |
| SAU800345     | PRT104094       | 22%      | 34.9%          | 72.7%            |
| SAU800345     | PAE205243       | 26%      | 54.6%          | 50.6%            |
| SAU800345     | PPU109970       | 25%      | 59.2%          | 53.0%            |
| SAU800345     | PSY101259       | 26%      | 56.9%          | 52.4%            |
| SAU800345     | SAU800345       | 100%     | 100%           | 100%             |
| SAU800345     | SHA101901       | 65%      | 99.3%          | 97.9%            |
| SAU800345     | SPN401177       | 25%      | 34.9%          | 97.9%            |
| SAU800345     | TPA100962       | 27%      | 43.3%          | 56.2%            |
| SAU800345     | YPS002530       | 25%      | 61.1%          | 57.1%            |
| SAU800354     | ABA101034       | 40%      | 99.0%          | 99.5%            |
| SAU800354     | ABA103857       | 42%      | 99.0%          | 99.2%            |
| SAU800354     | BAN111220       | 43%      | 98.5%          | 99.5%            |
| SAU800354     | BAN104879       | 46%      | 99.0%          | 99.2%            |
| SAU800354     | BPT102386       | 45%      | 98.7%          | 98.5%            |
| SAU800354     | BBU100109       | 45%      | 98.0%          | 98.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800354     | BCE104851       | 56%      | 99.5%          | 94.2%            |
| SAU800354     | BCE111166       | 56%      | 99.5%          | 88.1%            |
| SAU800354     | BFU101491       | 54%      | 99.5%          | 99.2%            |
| SAU800354     | BMA108260       | 54%      | 99.5%          | 99.7%            |
| SAU800354     | CAC101158       | 56%      | 99.5%          | 99.7%            |
| SAU800354     | CBO100684       | 55%      | 99.7%          | 98.7%            |
| SAU800354     | CDF104168       | 58%      | 99.5%          | 100%             |
| SAU800354     | EBC102878       | 52%      | 99.5%          | 100%             |
| SAU800354     | EFA202399       | 49%      | 99.5%          | 47.9%            |
| SAU800354     | EFM201919       | 49%      | 99.0%          | 47.2%            |
| SAU800354     | ECO102781       | 52%      | 99.5%          | 99.2%            |
| SAU800354     | HIN100751       | 55%      | 99.5%          | 99.7%            |
| SAU800354     | HPY100681       | 50%      | 99.5%          | 99.7%            |
| SAU800354     | KPN302864       | 52%      | 99.5%          | 99.7%            |
| SAU800354     | LPN102261       | 45%      | 98.2%          | 98.0%            |
| SAU800354     | LMO100288       | 51%      | 99.5%          | 99.7%            |
| SAU800354     | MCA100366       | 43%      | 98.7%          | 97.7%            |
| SAU800354     | MAV103545       | 45%      | 99.0%          | 99.2%            |
| SAU800354     | MBV100409       | 45%      | 94.4%          | 98.9%            |
| SAU800354     | MLP100720       | 46%      | 99.0%          | 99.2%            |
| SAU800354     | MTU201306       | 44%      | 98.0%          | 99.2%            |
| SAU800354     | PRT105123       | 42%      | 99.5%          | 99.7%            |
| SAU800354     | PAE201999       | 55%      | 99.5%          | 99.7%            |
| SAU800354     | PPU108509       | 56%      | 99.5%          | 100%             |
| SAU800354     | PSY105147       | 55%      | 99.5%          | 100%             |
| SAU800354     | SPA103450       | 49%      | 99.5%          | 99.5%            |
| SAU800354     | STY104079       | 52%      | 99.5%          | 99.7%            |
| SAU800354     | SAU800354       | 100%     | 100%           | 100%             |
| SAU800354     | SEP201328       | 72%      | 100%           | 99.7%            |
| SAU800354     | SHA101317       | 47%      | 99.5%          | 99.5%            |
| SAU800354     | SPY200101       | 58%      | 98.7%          | 99.0%            |
| SAU800354     | SPY201260       | 57%      | 99.0%          | 99.0%            |
| SAU800354     | VCH103412       | 46%      | 99.0%          | 99.3%            |
| SAU800357     | ABA104279       | 24%      | 51.5%          | 28.7%            |
| SAU800357     | BAN103195       | 39%      | 94.8%          | 96.4%            |
| SAU800357     | BAN103240       | 45%      | 99.5%          | 99.7%            |
| SAU800357     | BFR10553        | 27%      | 45.4%          | 34.0%            |
| SAU800357     | BPT100797       | 23%      | 51.5%          | 59.7%            |
| SAU800357     | BCE114553       | 27%      | 45.7%          | 89.9%            |
| SAU800357     | BFU115450       | 25%      | 45.7%          | 88.9%            |
| SAU800357     | BMA100720       | 26%      | 45.7%          | 88.9%            |
| SAU800357     | CJU101127       | 20%      | 36.2%          | 74.5%            |
| SAU800357     | CAC102924       | 30%      | 95.4%          | 96.5%            |
| SAU800357     | CBO103513       | 32%      | 46.7%          | 36.0%            |
| SAU800357     | CDF100988       | 29%      | 47.6%          | 38.1%            |
| SAU800357     | CDP101169       | 29%      | 45.5%          | 25.2%            |
| SAU800357     | EBC103834       | 24%      | 46.8%          | 26.6%            |
| SAU800357     | ECO103913       | 24%      | 60.4%          | 34.0%            |
| SAU800357     | HIN101413       | 21%      | 37.5%          | 72.9%            |
| SAU800357     | KPN306198       | 25%      | 46.8%          | 26.6%            |
| SAU800357     | LMO102309       | 44%      | 97.4%          | 97.6%            |
| SAU800357     | MAV101054       | 25%      | 51.5%          | 27.9%            |
| SAU800357     | MBV101993       | 30%      | 46.5%          | 25.7%            |
| SAU800357     | MLP100812       | 31%      | 45.8%          | 25.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800357     | MTU202090       | 30%      | 46.5%          | 25.7%            |
| SAU800357     | NGO101306       | 20%      | 43.6%          | 86.3%            |
| SAU800357     | NME201051       | 21%      | 17.1%          | 36.3%            |
| SAU800357     | PRT102439       | 25%      | 48.9%          | 27.5%            |
| SAU800357     | PAE201842       | 22%      | 45.7%          | 25.9%            |
| SAU800357     | PPU111491       | 24%      | 59.2%          | 33.2%            |
| SAU800357     | PSY102515       | 25%      | 52.2%          | 28.9%            |
| SAU800357     | SPA101525       | 27%      | 25.6%          | 15.3%            |
| SAU800357     | STY101886       | 24%      | 46.8%          | 26.6%            |
| SAU800357     | STM102124       | 24%      | 46.8%          | 26.0%            |
| SAU800357     | SAU800357       | 100%     | 100%           | 100%             |
| SAU800357     | SEP201333       | 82%      | 100%           | 100%             |
| SAU800357     | SHA102223       | 80%      | 99.8%          | 99.8%            |
| SAU800357     | SMU100823       | 48%      | 99.0%          | 98.5%            |
| SAU800357     | SPN400515       | 21%      | 37.8%          | 77.1%            |
| SAU800357     | SPY101914       | 25%      | 23.7%          | 94.3%            |
| SAU800357     | VCH100385       | 24%      | 46.5%          | 26.4%            |
| SAU800357     | YPS000400       | 23%      | 45.8%          | 26.0%            |
| SAU800359     | BAN100591       | 32%      | 86.1%          | 88.7%            |
| SAU800359     | BAN100637       | 45%      | 98.6%          | 98.1%            |
| SAU800359     | HIN100085       | 49%      | 96.7%          | 93.7%            |
| SAU800359     | LMO100536       | 50%      | 94.3%          | 92.5%            |
| SAU800359     | PMU100995       | 51%      | 96.7%          | 96.7%            |
| SAU800359     | SPA103064       | 36%      | 93.2%          | 94.9%            |
| SAU800359     | SAU800359       | 100%     | 100%           | 100%             |
| SAU800359     | SEP201335       | 79%      | 99.7%          | 99.7%            |
| SAU800359     | SHA102221       | 78%      | 99.7%          | 94.1%            |
| SAU800359     | SMU100380       | 46%      | 97.3%          | 97.8%            |
| SAU800359     | SPN401376       | 46%      | 97.3%          | 97.8%            |
| SAU800359     | SPY101944       | 49%      | 55.6%          | 98.6%            |
| SAU800361     | ABA100318       | 24%      | 69.6%          | 66.9%            |
| SAU800361     | BAN110623       | 61%      | 15.0%          | 83.0%            |
| SAU800361     | BAN108902       | 36%      | 99.0%          | 97.6%            |
| SAU800361     | BFR100087       | 23%      | 87.7%          | 81.1%            |
| SAU800361     | BPT101346       | 23%      | 90.1%          | 88.0%            |
| SAU800361     | BBU100452       | 24%      | 85.0%          | 86.1%            |
| SAU800361     | BCE100234       | 28%      | 88.1%          | 68.9%            |
| SAU800361     | BFU108672       | 26%      | 91.5%          | 29.3%            |
| SAU800361     | BMA106812       | 25%      | 89.1%          | 89.1%            |
| SAU800361     | CJU100211       | 28%      | 67.6%          | 30.3%            |
| SAU800361     | CAC100165       | 35%      | 87.7%          | 86.8%            |
| SAU800361     | CBO103029       | 29%      | 90.8%          | 90.0%            |
| SAU800361     | CDF100127       | 25%      | 92.2%          | 87.7%            |
| SAU800361     | CDP101252       | 29%      | 75.8%          | 62.3%            |
| SAU800361     | EBC100646       | 29%      | 87.7%          | 66.0%            |
| SAU800361     | EFA201399       | 28%      | 87.4%          | 84.0%            |
| SAU800361     | ECO100784       | 30%      | 87.7%          | 32.1%            |
| SAU800361     | HIN100185       | 24%      | 67.6%          | 17.7%            |
| SAU800361     | HPY100411       | 27%      | 72.4%          | 36.4%            |
| SAU800361     | KPN306689       | 28%      | 87.7%          | 34.5%            |
| SAU800361     | LPN103483       | 25%      | 66.2%          | 25.3%            |
| SAU800361     | LMO100404       | 30%      | 98.0%          | 100%             |
| SAU800361     | MCA101166       | 28%      | 63.8%          | 33.1%            |
| SAU800361     | MAV104987       | 32%      | 88.7%          | 84.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800361     | MBV105868       | 28%      | 85.7%          | 84.1%            |
| SAU800361     | MTU203064       | 28%      | 85.7%          | 84.1%            |
| SAU800361     | NGO101935       | 26%      | 66.6%          | 67.4%            |
| SAU800361     | NME200271       | 27%      | 66.6%          | 67.4%            |
| SAU800361     | PRT101308       | 24%      | 66.2%          | 64.3%            |
| SAU800361     | PAE205116       | 29%      | 88.7%          | 34.8%            |
| SAU800361     | PPU108041       | 31%      | 73.7%          | 29.9%            |
| SAU800361     | PSY102229       | 27%      | 96.6%          | 46.4%            |
| SAU800361     | SPA100728       | 29%      | 85.0%          | 90.1%            |
| SAU800361     | STY102372       | 29%      | 89.1%          | 34.6%            |
| SAU800361     | STM100940       | 28%      | 57.0%          | 46.9%            |
| SAU800361     | SAU800361       | 100%     | 100%           | 100%             |
| SAU800361     | SEP201337       | 81%      | 99.3%          | 100%             |
| SAU800361     | SHA102218       | 79%      | 99.0%          | 99.0%            |
| SAU800361     | SMU101383       | 30%      | 78.5%          | 80.4%            |
| SAU800361     | SPN401595       | 36%      | 63.8%          | 92.5%            |
| SAU800361     | SPY201460       | 33%      | 89.1%          | 92.5%            |
| SAU800361     | TPA100813       | 25%      | 91.1%          | 83.7%            |
| SAU800361     | VCH101723       | 32%      | 34.1%          | 32.5%            |
| SAU800361     | VCH100475       | 26%      | 71.0%          | 70.7%            |
| SAU800361     | YPS000193       | 25%      | 66.2%          | 63.7%            |
| SAU800362     | BAN100569       | 62%      | 91.0%          | 93.8%            |
| SAU800362     | BAN113404       | 62%      | 91.0%          | 93.8%            |
| SAU800362     | CAC102242       | 54%      | 95.5%          | 98.5%            |
| SAU800362     | CBO103935       | 61%      | 88.1%          | 90.8%            |
| SAU800362     | CDF100424       | 60%      | 79.1%          | 86.9%            |
| SAU800362     | EFA200740       | 61%      | 89.6%          | 98.4%            |
| SAU800362     | EFM200460       | 61%      | 82.1%          | 87.3%            |
| SAU800362     | LMO101128       | 66%      | 88.1%          | 86.8%            |
| SAU800362     | SAU800362       | 100%     | 100%           | 100%             |
| SAU800362     | SEP201338       | 78%      | 98.5%          | 98.5%            |
| SAU800362     | SHA102217       | 89%      | 98.5%          | 98.5%            |
| SAU800362     | SMU100029       | 41%      | 82.1%          | 98.4%            |
| SAU800362     | SPN400003       | 46%      | 82.1%          | 96.9%            |
| SAU800362     | SPY200003       | 48%      | 82.1%          | 95.4%            |
| SAU800363     | ABA101425       | 59%      | 100%           | 100%             |
| SAU800363     | BAN105317       | 70%      | 100%           | 100%             |
| SAU800363     | BAN111105       | 72%      | 100%           | 100%             |
| SAU800363     | BFR10923        | 57%      | 100%           | 100%             |
| SAU800363     | BPT100611       | 57%      | 100%           | 100%             |
| SAU800363     | BBU100234       | 49%      | 100%           | 100%             |
| SAU800363     | BCE101204       | 54%      | 72.1%          | 99.6%            |
| SAU800363     | BFU107336       | 57%      | 100%           | 100%             |
| SAU800363     | BMA107174       | 58%      | 100%           | 100%             |
| SAU800363     | BMA106380       | 59%      | 100%           | 100%             |
| SAU800363     | CJU100860       | 54%      | 100%           | 100%             |
| SAU800363     | CPN200430       | 50%      | 98.4%          | 98.4%            |
| SAU800363     | CTR200361       | 50%      | 98.4%          | 98.4%            |
| SAU800363     | CAC102519       | 59%      | 98.6%          | 99.2%            |
| SAU800363     | CBO101443       | 58%      | 98.6%          | 99.2%            |
| SAU800363     | CDF104197       | 57%      | 98.6%          | 99.2%            |
| SAU800363     | CDP100947       | 53%      | 99.2%          | 99.2%            |
| SAU800363     | EBC101805       | 56%      | 100%           | 100%             |
| SAU800363     | EFA200741       | 66%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800363     | EFM201649       | 70%      | 100%           | 100%             |
| SAU800363     | ECO101176       | 56%      | 100%           | 100%             |
| SAU800363     | HIN100373       | 58%      | 100%           | 100%             |
| SAU800363     | HPY100562       | 50%      | 100%           | 100%             |
| SAU800363     | KPN303463       | 55%      | 100%           | 100%             |
| SAU800363     | LMO102508       | 73%      | 100%           | 100%             |
| SAU800363     | MCA100084       | 58%      | 100%           | 100%             |
| SAU800363     | MAV103275       | 50%      | 98.1%          | 100%             |
| SAU800363     | MBV104670       | 50%      | 100%           | 100%             |
| SAU800363     | MLP101176       | 49%      | 99.2%          | 99.4%            |
| SAU800363     | MTU201097       | 51%      | 100%           | 100%             |
| SAU800363     | MGE100024       | 46%      | 99.5%          | 99.5%            |
| SAU800363     | MPN100128       | 47%      | 95.1%          | 96.4%            |
| SAU800363     | NGO101754       | 58%      | 100%           | 100%             |
| SAU800363     | NME200574       | 59%      | 100%           | 100%             |
| SAU800363     | PMU100163       | 58%      | 100%           | 100%             |
| SAU800363     | PRT101359       | 57%      | 100%           | 100%             |
| SAU800363     | PAE204670       | 58%      | 100%           | 100%             |
| SAU800363     | PPU104095       | 58%      | 100%           | 100%             |
| SAU800363     | PSY102435       | 57%      | 100%           | 100%             |
| SAU800363     | SPA102146       | 55%      | 100%           | 100%             |
| SAU800363     | STY101686       | 55%      | 100%           | 100%             |
| SAU800363     | STM101482       | 55%      | 100%           | 100%             |
| SAU800363     | SAU800363       | 100%     | 100%           | 100%             |
| SAU800363     | SEP201339       | 94%      | 100%           | 100%             |
| SAU800363     | SHA102216       | 92%      | 100%           | 100%             |
| SAU800363     | SMU100030       | 67%      | 100%           | 100%             |
| SAU800363     | SPN400004       | 69%      | 100%           | 100%             |
| SAU800363     | SPY200004       | 67%      | 100%           | 100%             |
| SAU800363     | TPA100123       | 48%      | 100%           | 100%             |
| SAU800363     | UUR100602       | 56%      | 100%           | 99.5%            |
| SAU800363     | VCH102152       | 58%      | 100%           | 94.8%            |
| SAU800363     | YPS003231       | 56%      | 100%           | 100%             |
| SAU800366     | ABA105929       | 30%      | 99.4%          | 98.4%            |
| SAU800366     | BAN105418       | 57%      | 100%           | 100%             |
| SAU800366     | BAN102675       | 63%      | 100%           | 100%             |
| SAU800366     | BFR100085       | 32%      | 64.7%          | 70.7%            |
| SAU800366     | BFR10599        | 29%      | 99.4%          | 98.7%            |
| SAU800366     | BPT100946       | 32%      | 76.6%          | 67.6%            |
| SAU800366     | BBU100114       | 32%      | 59.9%          | 68.5%            |
| SAU800366     | BCE112892       | 30%      | 99.4%          | 98.4%            |
| SAU800366     | BFU103395       | 32%      | 99.4%          | 98.3%            |
| SAU800366     | BMA103994       | 35%      | 82.0%          | 69.1%            |
| SAU800366     | CJU100997       | 33%      | 92.8%          | 85.8%            |
| SAU800366     | CPN200363       | 26%      | 73.1%          | 77.5%            |
| SAU800366     | CTR200309       | 27%      | 74.3%          | 76.9%            |
| SAU800366     | CAC102955       | 47%      | 62.9%          | 96.4%            |
| SAU800366     | CAC103317       | 50%      | 61.7%          | 77.4%            |
| SAU800366     | CAC101327       | 43%      | 99.4%          | 100%             |
| SAU800366     | CBO103395       | 40%      | 62.9%          | 92.9%            |
| SAU800366     | CBO103707       | 43%      | 99.4%          | 100%             |
| SAU800366     | CDF104218       | 30%      | 69.5%          | 84.8%            |
| SAU800366     | CDF103030       | 39%      | 71.9%          | 84.0%            |
| SAU800366     | CDP100636       | 31%      | 97.6%          | 95.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800366     | CDP100782       | 32%      | 97.6%          | 96.4%            |
| SAU800366     | EBC104214       | 34%      | 99.4%          | 97.2%            |
| SAU800366     | EFA201268       | 48%      | 100%           | 100%             |
| SAU800366     | EFA200661       | 51%      | 100%           | 100%             |
| SAU800366     | EFA200122       | 43%      | 65.3%          | 69.0%            |
| SAU800366     | EFA201230       | 39%      | 79.0%          | 95.7%            |
| SAU800366     | EFA200024       | 52%      | 100%           | 100%             |
| SAU800366     | EFA200067       | 48%      | 100%           | 100%             |
| SAU800366     | EFM202042       | 51%      | 100%           | 100%             |
| SAU800366     | ECO103953       | 32%      | 99.4%          | 97.2%            |
| SAU800366     | HIN100237       | 35%      | 99.4%          | 98.2%            |
| SAU800366     | HPY101228       | 31%      | 100%           | 100%             |
| SAU800366     | KPN301041       | 33%      | 99.4%          | 96.9%            |
| SAU800366     | KPN308310       | 34%      | 99.4%          | 97.1%            |
| SAU800366     | LPN103463       | 31%      | 70.1%          | 84.3%            |
| SAU800366     | LMO100923       | 60%      | 100%           | 100%             |
| SAU800366     | LMO101733       | 59%      | 100%           | 100%             |
| SAU800366     | MCA100569       | 30%      | 93.4%          | 74.2%            |
| SAU800366     | MAV101548       | 36%      | 97.6%          | 96.4%            |
| SAU800366     | MBV106247       | 35%      | 97.6%          | 96.3%            |
| SAU800366     | MLP101584       | 34%      | 97.6%          | 96.4%            |
| SAU800366     | MTU200054       | 35%      | 97.6%          | 96.3%            |
| SAU800366     | MGE100093       | 25%      | 65.3%          | 65.6%            |
| SAU800366     | NGO100403       | 28%      | 99.4%          | 98.9%            |
| SAU800366     | NME201532       | 30%      | 99.4%          | 98.9%            |
| SAU800366     | PMU101950       | 32%      | 99.4%          | 98.2%            |
| SAU800366     | PRT100733       | 28%      | 99.4%          | 87.9%            |
| SAU800366     | PRT101487       | 32%      | 99.4%          | 97.1%            |
| SAU800366     | PAE204230       | 28%      | 99.4%          | 97.6%            |
| SAU800366     | PPU104550       | 29%      | 99.4%          | 97.8%            |
| SAU800366     | PSY105770       | 29%      | 99.4%          | 97.9%            |
| SAU800366     | STY102277       | 30%      | 99.4%          | 97.2%            |
| SAU800366     | STM102829       | 30%      | 99.4%          | 97.2%            |
| SAU800366     | SAU800366       | 100%     | 100%           | 100%             |
| SAU800366     | SEP201353       | 90%      | 100%           | 100%             |
| SAU800366     | SHA101079       | 88%      | 100%           | 100%             |
| SAU800366     | SMU101251       | 53%      | 100%           | 100%             |
| SAU800366     | SPN401394       | 50%      | 100%           | 100%             |
| SAU800366     | SPY201407       | 54%      | 100%           | 100%             |
| SAU800366     | TPA100061       | 35%      | 61.1%          | 58.0%            |
| SAU800366     | UUR100559       | 35%      | 92.2%          | 89.2%            |
| SAU800366     | VCH100392       | 32%      | 99.4%          | 97.2%            |
| SAU800366     | YPS002815       | 33%      | 99.4%          | 97.3%            |
| SAU800367     | ABA105585       | 55%      | 81.2%          | 86.7%            |
| SAU800367     | BAN110583       | 78%      | 97.5%          | 100%             |
| SAU800367     | BAN103323       | 78%      | 97.5%          | 100%             |
| SAU800367     | BFR100885       | 58%      | 85%            | 75.6%            |
| SAU800367     | BPT101387       | 60%      | 81.2%          | 72.2%            |
| SAU800367     | BBU100113       | 59%      | 83.8%          | 68.8%            |
| SAU800367     | BCE105745       | 62%      | 87.5%          | 76.9%            |
| SAU800367     | BFU105922       | 60%      | 87.5%          | 76.9%            |
| SAU800367     | BMA104982       | 62%      | 87.5%          | 76.9%            |
| SAU800367     | CJU100998       | 54%      | 85%            | 79.1%            |
| SAU800367     | CPN200890       | 55%      | 87.5%          | 85.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800367     | CTR200180       | 55%      | 87.5%          | 86.4%            |
| SAU800367     | CAC102549       | 54%      | 88.8%          | 82.2%            |
| SAU800367     | CBO100272       | 56%      | 97.5%          | 100%             |
| SAU800367     | CDF103531       | 60%      | 82.5%          | 88%              |
| SAU800367     | CDP100127       | 50%      | 81.2%          | 79.3%            |
| SAU800367     | EBC103610       | 58%      | 87.5%          | 93.3%            |
| SAU800367     | EFA200660       | 76%      | 93.8%          | 94.9%            |
| SAU800367     | EFM100455       | 72%      | 92.5%          | 94.9%            |
| SAU800367     | ECO104092       | 58%      | 87.5%          | 93.3%            |
| SAU800367     | HIN100524       | 60%      | 87.5%          | 93.3%            |
| SAU800367     | HPY101227       | 50%      | 88.8%          | 83.5%            |
| SAU800367     | KPN300649       | 58%      | 87.5%          | 93.3%            |
| SAU800367     | LPN101987       | 56%      | 81.2%          | 86.7%            |
| SAU800367     | LMO102748       | 86%      | 100%           | 100%             |
| SAU800367     | MCA101348       | 70%      | 81.2%          | 86.7%            |
| SAU800367     | MAV101549       | 49%      | 88.8%          | 82.1%            |
| SAU800367     | MBV106246       | 49%      | 88.8%          | 82.1%            |
| SAU800367     | MLP101583       | 49%      | 88.8%          | 82.1%            |
| SAU800367     | MTU200055       | 49%      | 88.8%          | 82.1%            |
| SAU800367     | MGE100094       | 44%      | 92.5%          | 71.4%            |
| SAU800367     | MPN100601       | 48%      | 86.2%          | 67.3%            |
| SAU800367     | NGO100183       | 55%      | 87.5%          | 92.1%            |
| SAU800367     | NME201394       | 55%      | 87.5%          | 92.1%            |
| SAU800367     | PMU101178       | 58%      | 87.5%          | 93.3%            |
| SAU800367     | PRT102061       | 58%      | 87.5%          | 93.3%            |
| SAU800367     | PAE204929       | 64%      | 81.2%          | 85.5%            |
| SAU800367     | PPU106680       | 60%      | 81.2%          | 85.5%            |
| SAU800367     | PSY101038       | 60%      | 81.2%          | 85.5%            |
| SAU800367     | SPA102211       | 58%      | 87.5%          | 93.3%            |
| SAU800367     | STY103813       | 58%      | 87.5%          | 93.3%            |
| SAU800367     | STM103619       | 58%      | 87.5%          | 93.3%            |
| SAU800367     | SAU800367       | 100%     | 100%           | 100%             |
| SAU800367     | SEP201354       | 98%      | 100%           | 100%             |
| SAU800367     | SHA101080       | 97%      | 98.8%          | 98.8%            |
| SAU800367     | SMU101249       | 73%      | 92.5%          | 94.9%            |
| SAU800367     | SPN401393       | 73%      | 92.5%          | 94.9%            |
| SAU800367     | SPY201406       | 73%      | 92.5%          | 94.9%            |
| SAU800367     | TPA100060       | 58%      | 85%            | 67.7%            |
| SAU800367     | UUR100558       | 59%      | 90%            | 91.1%            |
| SAU800367     | VCH100363       | 61%      | 87.5%          | 93.3%            |
| SAU800367     | YPS002204       | 57%      | 87.5%          | 93.3%            |
| SAU800381     | ABA101855       | 66%      | 100%           | 100%             |
| SAU800381     | BAN104173       | 69%      | 100%           | 100%             |
| SAU800381     | BAN109661       | 71%      | 100%           | 100%             |
| SAU800381     | BFR103076       | 52%      | 98.9%          | 98.4%            |
| SAU800381     | BPT100672       | 27%      | 94.7%          | 100%             |
| SAU800381     | BCE101880       | 60%      | 100%           | 100%             |
| SAU800381     | BFU100212       | 27%      | 94.7%          | 100%             |
| SAU800381     | BMA108642       | 61%      | 55.0%          | 100%             |
| SAU800381     | CJU100303       | 32%      | 91.5%          | 88.4%            |
| SAU800381     | CPN201075       | 33%      | 95.8%          | 87.0%            |
| SAU800381     | CTR200881       | 31%      | 95.2%          | 92.3%            |
| SAU800381     | CDF101278       | 25%      | 80.4%          | 75.2%            |
| SAU800381     | CDP100348       | 32%      | 84.1%          | 77.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800381     | EBC102622       | 54%      | 18.5%          | 76.7%            |
| SAU800381     | EBC101884       | 64%      | 100%           | 100%             |
| SAU800381     | EFA200823       | 49%      | 100%           | 100%             |
| SAU800381     | EFM201621       | 70%      | 100%           | 100%             |
| SAU800381     | ECO100595       | 64%      | 100%           | 100%             |
| SAU800381     | HPY101540       | 34%      | 80.4%          | 77.3%            |
| SAU800381     | KPN303362       | 65%      | 100%           | 100%             |
| SAU800381     | LPN101816       | 38%      | 77.8%          | 74.1%            |
| SAU800381     | LMO100436       | 30%      | 93.7%          | 97.2%            |
| SAU800381     | MCA100901       | 57%      | 99.5%          | 98.9%            |
| SAU800381     | MAV102705       | 33%      | 84.1%          | 78.5%            |
| SAU800381     | MBV104411       | 30%      | 85.7%          | 80%              |
| SAU800381     | MLP101237       | 31%      | 84.1%          | 78.5%            |
| SAU800381     | MTU202392       | 30%      | 85.7%          | 80%              |
| SAU800381     | PMU100795       | 33%      | 99.5%          | 95.5%            |
| SAU800381     | PRT101090       | 64%      | 100%           | 100%             |
| SAU800381     | PAE200139       | 54%      | 100%           | 100%             |
| SAU800381     | PPU110126       | 61%      | 100%           | 100%             |
| SAU800381     | PSY108771       | 63%      | 100%           | 100%             |
| SAU800381     | SPA103041       | 65%      | 100%           | 100%             |
| SAU800381     | STY101396       | 65%      | 100%           | 100%             |
| SAU800381     | STM101128       | 65%      | 100%           | 100%             |
| SAU800381     | SAU800381       | 100%     | 100%           | 100%             |
| SAU800381     | SEP201361       | 89%      | 100%           | 100%             |
| SAU800381     | SHA101943       | 89%      | 100%           | 100%             |
| SAU800381     | SMU100048       | 68%      | 100%           | 100%             |
| SAU800381     | SPY201587       | 72%      | 100%           | 100%             |
| SAU800381     | TPA100505       | 50%      | 99.5%          | 98.9%            |
| SAU800381     | VCH100718       | 35%      | 92.6%          | 86.0%            |
| SAU800381     | YPS002559       | 34%      | 99.5%          | 95.5%            |
| SAU800385     | BAN110051       | 23%      | 74.8%          | 89.6%            |
| SAU800385     | SAU800385       | 100%     | 100%           | 100%             |
| SAU800385     | SEP201365       | 54%      | 100%           | 100%             |
| SAU800385     | SHA101939       | 68%      | 64.2%          | 90.4%            |
| SAU800391     | ABA102375       | 54%      | 98.8%          | 98.5%            |
| SAU800391     | BAN110434       | 65%      | 97.7%          | 100%             |
| SAU800391     | BAN108119       | 74%      | 98.2%          | 100%             |
| SAU800391     | BFR102934       | 51%      | 98.8%          | 99.8%            |
| SAU800391     | BPT100393       | 50%      | 98.2%          | 99.2%            |
| SAU800391     | BCE109939       | 50%      | 80.9%          | 95.3%            |
| SAU800391     | BFU101706       | 50%      | 98.2%          | 99.2%            |
| SAU800391     | BMA101765       | 49%      | 98.2%          | 99.3%            |
| SAU800391     | CJU101173       | 53%      | 98.2%          | 99.0%            |
| SAU800391     | CPN200587       | 50%      | 17.0%          | 1.2%             |
| SAU800391     | CTR200435       | 47%      | 98.2%          | 99.4%            |
| SAU800391     | CAC100661       | 62%      | 99.0%          | 99.8%            |
| SAU800391     | CBO101640       | 62%      | 98.8%          | 99.6%            |
| SAU800391     | CDF101488       | 59%      | 99.0%          | 99.8%            |
| SAU800391     | CDP100097       | 50%      | 99.8%          | 97.0%            |
| SAU800391     | EBC101429       | 51%      | 98.2%          | 98.3%            |
| SAU800391     | EFA202372       | 74%      | 98.6%          | 98.1%            |
| SAU800391     | EFM201769       | 72%      | 92.6%          | 99.6%            |
| SAU800391     | EFM201384       | 73%      | 98.6%          | 98.1%            |
| SAU800391     | ECO102458       | 51%      | 98.2%          | 98.3%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800391     | HIN100213       | 53%      | 98.2%          | 98.5%            |
| SAU800391     | HPY100405       | 52%      | 98.4%          | 100%             |
| SAU800391     | KPN307676       | 51%      | 81.5%          | 98.6%            |
| SAU800391     | LPN102408       | 49%      | 98.2%          | 98.5%            |
| SAU800391     | LMO101666       | 75%      | 99.0%          | 98.3%            |
| SAU800391     | MCA101385       | 54%      | 98.8%          | 99.0%            |
| SAU800391     | MAV100005       | 51%      | 98.2%          | 97.0%            |
| SAU800391     | MBV100875       | 50%      | 98.2%          | 100%             |
| SAU800391     | MLP100255       | 48%      | 98.2%          | 97.0%            |
| SAU800391     | MTU203350       | 50%      | 98.2%          | 97.0%            |
| SAU800391     | NGO101384       | 53%      | 98.8%          | 99.6%            |
| SAU800391     | NME200495       | 53%      | 98.8%          | 99.6%            |
| SAU800391     | PMU100293       | 53%      | 98.2%          | 98.5%            |
| SAU800391     | PRT100492       | 51%      | 98.2%          | 96.3%            |
| SAU800391     | PAE203766       | 52%      | 98.2%          | 98.3%            |
| SAU800391     | PPU112124       | 51%      | 98.2%          | 98.3%            |
| SAU800391     | PSY101574       | 50%      | 98.2%          | 98.3%            |
| SAU800391     | SPA101779       | 50%      | 81.5%          | 98.6%            |
| SAU800391     | STY101683       | 51%      | 98.2%          | 98.3%            |
| SAU800391     | SAU800391       | 100%     | 100%           | 100%             |
| SAU800391     | SEP201376       | 95%      | 100%           | 99.6%            |
| SAU800391     | SHA101225       | 94%      | 100%           | 100%             |
| SAU800391     | SMU100269       | 69%      | 99.2%          | 95.9%            |
| SAU800391     | SPN401299       | 70%      | 99.2%          | 98.5%            |
| SAU800391     | SPY200919       | 68%      | 100%           | 99.4%            |
| SAU800391     | VCH100755       | 52%      | 98.2%          | 98.3%            |
| SAU800391     | YPS003193       | 50%      | 98.2%          | 98.3%            |
| SAU800422     | BFU106271       | 44%      | 15.0%          | 11.4%            |
| SAU800422     | SAU800428       | 34%      | 99.6%          | 99.6%            |
| SAU800422     | SAU800427       | 36%      | 100%           | 100%             |
| SAU800422     | SAU800423       | 33%      | 100%           | 99.1%            |
| SAU800422     | SAU800424       | 40%      | 1.3%           | 36.2%            |
| SAU800422     | SAU801167       | 29%      | 78.8%          | 76.3%            |
| SAU800422     | SAU800429       | 37%      | 100%           | 100%             |
| SAU800422     | SAU800426       | 37%      | 98.7%          | 97.8%            |
| SAU800422     | SAU800425       | 42%      | 97.8%          | 97.9%            |
| SAU800422     | SAU800433       | 45%      | 99.6%          | 100%             |
| SAU800422     | SAU800422       | 100%     | 100%           | 100%             |
| SAU800424     | BMA104162       | 27%      | 30.3%          | 64%              |
| SAU800424     | SAU800425       | 38%      | 37.1%          | 3.4%             |
| SAU800424     | SAU800427       | 39%      | 57.3%          | 89.2%            |
| SAU800424     | SAU800426       | 37%      | 35.1%          | 0.9%             |
| SAU800424     | SAU800428       | 39%      | 39.6%          | 6.9%             |
| SAU800424     | SAU800429       | 34%      | 32.0%          | 8.4%             |
| SAU800424     | SAU800422       | 40%      | 36.2%          | 1.3%             |
| SAU800424     | SAU800433       | 41%      | 27.8%          | 8.4%             |
| SAU800424     | SAU800423       | 42%      | 28.4%          | 7.4%             |
| SAU800424     | SAU800424       | 100%     | 100%           | 100%             |
| SAU800424     | SPY103617       | 30%      | 28.9%          | 41.5%            |
| SAU800431     | BFR11892        | 34%      | 42.9%          | 75.9%            |
| SAU800431     | BFR10375        | 25%      | 97.7%          | 97.7%            |
| SAU800431     | BCE102742       | 30%      | 33.4%          | 49.3%            |
| SAU800431     | BFU103170       | 29%      | 96.7%          | 98.8%            |
| SAU800431     | CJU101462       | 28%      | 98.3%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800431     | CAC100937       | 22%      | 34.7%          | 35.4%            |
| SAU800431     | CBO103378       | 25%      | 68.1%          | 74.8%            |
| SAU800431     | CDF101426       | 21%      | 61.6%          | 49.7%            |
| SAU800431     | CDF103132       | 23%      | 39.0%          | 16.4%            |
| SAU800431     | CDP101424       | 28%      | 96.3%          | 94.0%            |
| SAU800431     | EBC104005       | 30%      | 62.5%          | 54.7%            |
| SAU800431     | EFA102283       | 48%      | 95.4%          | 94.5%            |
| SAU800431     | EFM201652       | 39%      | 20.5%          | 86.6%            |
| SAU800431     | EFM201984       | 49%      | 95.4%          | 94.5%            |
| SAU800431     | ECO104238       | 25%      | 89.4%          | 83.2%            |
| SAU800431     | HIN101255       | 31%      | 64.7%          | 78.6%            |
| SAU800431     | HPY100837       | 41%      | 97.1%          | 96.6%            |
| SAU800431     | KPN300684       | 25%      | 25.3%          | 51.6%            |
| SAU800431     | MCA101426       | 28%      | 96.7%          | 97.4%            |
| SAU800431     | MAV103592       | 26%      | 47.7%          | 51.3%            |
| SAU800431     | MBV103538       | 26%      | 95.2%          | 95.4%            |
| SAU800431     | MTU202719       | 26%      | 95.2%          | 93.0%            |
| SAU800431     | MPN100494       | 38%      | 96.7%          | 97.6%            |
| SAU800431     | NGO100938       | 40%      | 97.7%          | 99.0%            |
| SAU800431     | NME200960       | 40%      | 97.3%          | 98.6%            |
| SAU800431     | PMU101537       | 26%      | 98.3%          | 98.6%            |
| SAU800431     | PRT102780       | 35%      | 94.2%          | 56.9%            |
| SAU800431     | PAE202733       | 30%      | 53.9%          | 41.7%            |
| SAU800431     | PPU108596       | 26%      | 63.7%          | 69.3%            |
| SAU800431     | PSY104041       | 27%      | 96.7%          | 89.6%            |
| SAU800431     | SPA101737       | 25%      | 67.2%          | 95.1%            |
| SAU800431     | SAU800431       | 100%     | 100%           | 100%             |
| SAU800431     | SAU801808       | 99%      | 100%           | 100%             |
| SAU800431     | SEP200633       | 75%      | 100%           | 100%             |
| SAU800431     | SMU100858       | 43%      | 97.9%          | 98.7%            |
| SAU800431     | SPN400790       | 27%      | 66.6%          | 70.8%            |
| SAU800431     | SPY201469       | 47%      | 97.3%          | 96.6%            |
| SAU800431     | UUR100097       | 42%      | 64.3%          | 99.4%            |
| SAU800431     | VCH101740       | 29%      | 52.1%          | 39.3%            |
| SAU800434     | BFU105225       | 26%      | 15.8%          | 38.9%            |
| SAU800434     | CDF103349       | 23%      | 37.4%          | 42.8%            |
| SAU800434     | EFA202579       | 22%      | 25.7%          | 64.5%            |
| SAU800434     | SAU800434       | 100%     | 100%           | 100%             |
| SAU800444     | CAC101599       | 34%      | 27.7%          | 17.7%            |
| SAU800444     | SAU800444       | 100%     | 100%           | 100%             |
| SAU800444     | SEP200083       | 59%      | 95.4%          | 99.6%            |
| SAU800444     | SEP200593       | 61%      | 88.8%          | 97.1%            |
| SAU800444     | SEP200598       | 61%      | 87.7%          | 97.4%            |
| SAU800444     | SEP200597       | 63%      | 99.6%          | 99.2%            |
| SAU800444     | SEP200589       | 61%      | 99.6%          | 98.8%            |
| SAU800444     | SEP200591       | 68%      | 88.1%          | 97.0%            |
| SAU800444     | SEP200552       | 64%      | 99.6%          | 98.9%            |
| SAU800444     | SEP200616       | 62%      | 99.6%          | 99.6%            |
| SAU800444     | SEP200553       | 65%      | 98.8%          | 98.8%            |
| SAU800452     | BAN107958       | 56%      | 59.3%          | 97.0%            |
| SAU800452     | EFM100733       | 72%      | 13.2%          | 95.6%            |
| SAU800452     | LPN100911       | 40%      | 54.0%          | 54.0%            |
| SAU800452     | SAU800452       | 100%     | 100%           | 100%             |
| SAU800452     | SEP201389       | 60%      | 99.8%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800452     | SHA101930       | 61%      | 100%           | 100%             |
| SAU800452     | VCH101557       | 27%      | 92.7%          | 90.5%            |
| SAU800453     | ABA105190       | 21%      | 18.2%          | 91.5%            |
| SAU800453     | BAN108085       | 57%      | 5.8%           | 67.5%            |
| SAU800453     | BAN107079       | 31%      | 66.0%          | 95.4%            |
| SAU800453     | BAN113237       | 45%      | 99.3%          | 97.3%            |
| SAU800453     | LPN100228       | 41%      | 8.8%           | 0.8%             |
| SAU800453     | SAU800453       | 100%     | 100%           | 100%             |
| SAU800453     | SEP201396       | 54%      | 76.1%          | 96.4%            |
| SAU800453     | SHA101932       | 53%      | 99.7%          | 99.2%            |
| SAU800453     | VCH101558       | 31%      | 15.0%          | 7.8%             |
| SAU800456     | ABA102927       | 33%      | 64.3%          | 69.7%            |
| SAU800456     | BFU110052       | 25%      | 57.1%          | 18.6%            |
| SAU800456     | CBO103870       | 29%      | 70.1%          | 88%              |
| SAU800456     | CDF100442       | 26%      | 62.1%          | 53.3%            |
| SAU800456     | HPY100838       | 30%      | 89.7%          | 87.7%            |
| SAU800456     | KPN301721       | 31%      | 35.7%          | 36.4%            |
| SAU800456     | LMO100275       | 31%      | 92.4%          | 89.2%            |
| SAU800456     | PRT105300       | 22%      | 56.2%          | 75.1%            |
| SAU800456     | SAU800456       | 100%     | 100%           | 100%             |
| SAU800456     | SEP201402       | 42%      | 94.2%          | 91.0%            |
| SAU800456     | SHA103066       | 48%      | 96.4%          | 90.4%            |
| SAU800463     | ABA101573       | 63%      | 96.3%          | 91.3%            |
| SAU800463     | BAN105490       | 50%      | 94.1%          | 93.7%            |
| SAU800463     | BAN111994       | 54%      | 94.1%          | 92.8%            |
| SAU800463     | BPT103178       | 54%      | 93.2%          | 94.0%            |
| SAU800463     | BCE112661       | 51%      | 92.7%          | 95.3%            |
| SAU800463     | BFU102065       | 52%      | 92.7%          | 89.0%            |
| SAU800463     | BMA106456       | 51%      | 92.7%          | 95.3%            |
| SAU800463     | CJU100712       | 48%      | 91.8%          | 66.3%            |
| SAU800463     | CPN200472       | 32%      | 95.4%          | 94.6%            |
| SAU800463     | CAC101527       | 51%      | 98.6%          | 99.1%            |
| SAU800463     | CBO100787       | 53%      | 92.2%          | 94.8%            |
| SAU800463     | CDF100530       | 53%      | 90.4%          | 90.8%            |
| SAU800463     | CDP100111       | 46%      | 94.1%          | 91.6%            |
| SAU800463     | EBC102541       | 50%      | 94.1%          | 94.9%            |
| SAU800463     | EFA203652       | 47%      | 93.6%          | 90.7%            |
| SAU800463     | EFM202483       | 46%      | 94.5%          | 91.6%            |
| SAU800463     | ECO100198       | 50%      | 95.0%          | 95.9%            |
| SAU800463     | HPY101554       | 46%      | 96.8%          | 98.1%            |
| SAU800463     | KPN300143       | 69%      | 73.5%          | 100%             |
| SAU800463     | KPN306822       | 67%      | 95.4%          | 94.1%            |
| SAU800463     | LPN101477       | 53%      | 93.2%          | 94.0%            |
| SAU800463     | LMO100259       | 53%      | 95.0%          | 94.5%            |
| SAU800463     | MCA103062       | 46%      | 91.8%          | 87.8%            |
| SAU800463     | NGO101323       | 44%      | 93.6%          | 89.9%            |
| SAU800463     | NME200470       | 45%      | 93.6%          | 89.9%            |
| SAU800463     | PMU101729       | 52%      | 92.2%          | 88.6%            |
| SAU800463     | PRT100130       | 50%      | 93.2%          | 94.0%            |
| SAU800463     | PSY103687       | 45%      | 95.4%          | 92.1%            |
| SAU800463     | SPA101019       | 49%      | 93.2%          | 93.2%            |
| SAU800463     | STY103994       | 50%      | 94.1%          | 97.2%            |
| SAU800463     | STM100618       | 49%      | 93.2%          | 93.2%            |
| SAU800463     | SAU800463       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800463     | SEP201771       | 86%      | 100%           | 100%             |
| SAU800463     | TPA100118       | 40%      | 93.6%          | 93.6%            |
| SAU800463     | VCH100890       | 51%      | 95.4%          | 92.9%            |
| SAU800463     | YPS002016       | 49%      | 94.1%          | 94.9%            |
| SAU800467     | ABA102842       | 27%      | 81.7%          | 79.7%            |
| SAU800467     | BAN108590       | 33%      | 42.7%          | 51.9%            |
| SAU800467     | BAN111498       | 30%      | 84.7%          | 79.7%            |
| SAU800467     | BCE103899       | 30%      | 67.9%          | 68.0%            |
| SAU800467     | BFU116206       | 27%      | 80.9%          | 51.1%            |
| SAU800467     | CDF102548       | 31%      | 54.2%          | 46.8%            |
| SAU800467     | EFA203967       | 29%      | 85.5%          | 78.5%            |
| SAU800467     | EFM200585       | 28%      | 74.0%          | 35.5%            |
| SAU800467     | LPN101940       | 25%      | 86.3%          | 69.9%            |
| SAU800467     | LMO100796       | 26%      | 69.5%          | 73.3%            |
| SAU800467     | MAV104770       | 27%      | 90.8%          | 78.7%            |
| SAU800467     | MBV104110       | 30%      | 80.2%          | 33.6%            |
| SAU800467     | MTU203156       | 30%      | 80.2%          | 31.9%            |
| SAU800467     | PAE203468       | 37%      | 52.7%          | 44.7%            |
| SAU800467     | PPU103432       | 31%      | 78.6%          | 73.0%            |
| SAU800467     | PSY105195       | 30%      | 70.2%          | 76.7%            |
| SAU800467     | SAU800467       | 100%     | 100%           | 100%             |
| SAU800467     | SEP201776       | 63%      | 95.4%          | 97.7%            |
| SAU800467     | SHA102842       | 68%      | 95.4%          | 96.9%            |
| SAU800467     | SMU100141       | 41%      | 38.9%          | 35.7%            |
| SAU800467     | SPN300686       | 37%      | 42.7%          | 37.7%            |
| SAU800467     | SPY201162       | 50%      | 33.6%          | 28.5%            |
| SAU800472     | ABA100013       | 40%      | 3.9%           | 86.8%            |
| SAU800472     | ABA104125       | 41%      | 95.8%          | 97.3%            |
| SAU800472     | BAN101583       | 36%      | 4.3%           | 81.8%            |
| SAU800472     | BAN104217       | 27%      | 78.0%          | 98.8%            |
| SAU800472     | BAN108345       | 30%      | 91.9%          | 93.2%            |
| SAU800472     | BPT102078       | 44%      | 96.8%          | 74.2%            |
| SAU800472     | BCE113920       | 44%      | 97.5%          | 74.5%            |
| SAU800472     | BFU100199       | 57%      | 21.7%          | 99.7%            |
| SAU800472     | BMA104976       | 44%      | 97.5%          | 98.6%            |
| SAU800472     | CJU100007       | 47%      | 98.3%          | 98.7%            |
| SAU800472     | CAC101843       | 45%      | 97.1%          | 98.7%            |
| SAU800472     | EBC102948       | 42%      | 96.5%          | 97.6%            |
| SAU800472     | ECO103142       | 41%      | 96.5%          | 96.4%            |
| SAU800472     | KPN301995       | 41%      | 96.5%          | 98.4%            |
| SAU800472     | LMO100872       | 49%      | 98.5%          | 98.6%            |
| SAU800472     | MAV104920       | 45%      | 98.3%          | 99.4%            |
| SAU800472     | MBV101946       | 45%      | 98.3%          | 99.3%            |
| SAU800472     | MLP100042       | 45%      | 97.3%          | 98.4%            |
| SAU800472     | MTU203804       | 45%      | 98.3%          | 99.4%            |
| SAU800472     | NME301326       | 30%      | 6.1%           | 6.2%             |
| SAU800472     | NME300542       | 30%      | 6.1%           | 6.8%             |
| SAU800472     | PRT105261       | 41%      | 95.7%          | 97.6%            |
| SAU800472     | PAE205031       | 41%      | 95.7%          | 97.9%            |
| SAU800472     | PPU102045       | 40%      | 94.9%          | 97.9%            |
| SAU800472     | PSY103729       | 40%      | 95.7%          | 97.9%            |
| SAU800472     | SPA102415       | 35%      | 60.4%          | 100%             |
| SAU800472     | STY101531       | 41%      | 96.5%          | 98.4%            |
| SAU800472     | STM101808       | 41%      | 96.5%          | 98.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800472     | SAU800472       | 100%     | 100%           | 100%             |
| SAU800472     | SEP201790       | 78%      | 62.2%          | 100%             |
| SAU800472     | SHA102040       | 75%      | 100%           | 99.8%            |
| SAU800472     | SMU100695       | 44%      | 96.6%          | 95.9%            |
| SAU800472     | VCH102338       | 45%      | 97.1%          | 97.5%            |
| SAU800472     | YPS002267       | 42%      | 96.5%          | 95.2%            |
| SAU800473     | ABA100945       | 32%      | 92.0%          | 91.8%            |
| SAU800473     | BFR11247        | 29%      | 93.0%          | 57.2%            |
| SAU800473     | BMA109760       | 42%      | 98.8%          | 94.9%            |
| SAU800473     | CJU100009       | 43%      | 99.0%          | 99.8%            |
| SAU800473     | CAC101795       | 44%      | 98.8%          | 98.3%            |
| SAU800473     | CBO102837       | 29%      | 92.6%          | 94.1%            |
| SAU800473     | CBO101098       | 28%      | 92.2%          | 91.9%            |
| SAU800473     | CDF102919       | 28%      | 92.8%          | 93.5%            |
| SAU800473     | EBC105166       | 32%      | 92.0%          | 92.4%            |
| SAU800473     | EFA201646       | 28%      | 92.6%          | 92.2%            |
| SAU800473     | ECO102823       | 31%      | 94.3%          | 69.6%            |
| SAU800473     | ECO102419       | 33%      | 92.6%          | 66.8%            |
| SAU800473     | KPN306735       | 33%      | 94.9%          | 68.3%            |
| SAU800473     | LMO100374       | 49%      | 98.8%          | 98.6%            |
| SAU800473     | MAV104921       | 42%      | 98.8%          | 93.7%            |
| SAU800473     | MBV101949       | 42%      | 98.8%          | 96.3%            |
| SAU800473     | MLP100043       | 42%      | 98.8%          | 96.3%            |
| SAU800473     | MTU203803       | 42%      | 98.8%          | 96.3%            |
| SAU800473     | PRT105231       | 34%      | 92.6%          | 92.9%            |
| SAU800473     | PAE205030       | 31%      | 92.0%          | 90.8%            |
| SAU800473     | PPU102730       | 30%      | 94.9%          | 94.7%            |
| SAU800473     | PSY103728       | 31%      | 94.9%          | 94.7%            |
| SAU800473     | SPA100761       | 33%      | 92.0%          | 94.8%            |
| SAU800473     | STY101535       | 33%      | 92.0%          | 92.4%            |
| SAU800473     | STM101814       | 33%      | 92.0%          | 92.4%            |
| SAU800473     | SAU800473       | 100%     | 100%           | 100%             |
| SAU800473     | SEP201791       | 81%      | 100%           | 100%             |
| SAU800473     | SHA103074       | 78%      | 100%           | 100%             |
| SAU800473     | SMU101812       | 44%      | 98.6%          | 98.5%            |
| SAU800473     | TPA100727       | 28%      | 92.6%          | 84.4%            |
| SAU800473     | VCH102339       | 41%      | 98.8%          | 96.5%            |
| SAU800473     | YPS003815       | 32%      | 92.0%          | 92.4%            |
| SAU800476     | BAN103601       | 35%      | 97.1%          | 98.7%            |
| SAU800476     | BAN108409       | 36%      | 96.7%          | 99.1%            |
| SAU800476     | BPT101634       | 28%      | 57.0%          | 47.4%            |
| SAU800476     | CBO103128       | 34%      | 97.9%          | 99.6%            |
| SAU800476     | CDF101594       | 30%      | 98.8%          | 99.6%            |
| SAU800476     | EFA201525       | 41%      | 97.1%          | 98.3%            |
| SAU800476     | ECO204375       | 21%      | 96.7%          | 92.8%            |
| SAU800476     | LMO102324       | 40%      | 99.2%          | 100%             |
| SAU800476     | MBV104498       | 35%      | 23.1%          | 23.3%            |
| SAU800476     | MTU200583       | 35%      | 23.1%          | 23.3%            |
| SAU800476     | PPU107953       | 21%      | 77.7%          | 60.7%            |
| SAU800476     | SPA103556       | 24%      | 71.5%          | 69.6%            |
| SAU800476     | STY104116       | 24%      | 71.5%          | 69.6%            |
| SAU800476     | SAU800476       | 100%     | 100%           | 100%             |
| SAU800476     | SEP202279       | 53%      | 16.9%          | 100%             |
| SAU800476     | SHA102044       | 65%      | 97.1%          | 97.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800476     | SMU100634       | 35%      | 97.1%          | 98.3%            |
| SAU800476     | SPN401698       | 33%      | 97.5%          | 99.2%            |
| SAU800476     | SPY201604       | 36%      | 97.9%          | 99.2%            |
| SAU800476     | YPS002288       | 24%      | 93.8%          | 83.0%            |
| SAU800478     | ABA103427       | 35%      | 68.8%          | 55.8%            |
| SAU800478     | BAN105404       | 37%      | 99.3%          | 99.6%            |
| SAU800478     | BAN112023       | 45%      | 99.3%          | 99.6%            |
| SAU800478     | BFR11479        | 43%      | 61.4%          | 58.5%            |
| SAU800478     | BPT102081       | 45%      | 46.0%          | 34.9%            |
| SAU800478     | BBU100460       | 41%      | 59.5%          | 61.6%            |
| SAU800478     | BCE106024       | 45%      | 46.0%          | 53.7%            |
| SAU800478     | BFU105306       | 45%      | 46.0%          | 44.5%            |
| SAU800478     | BMA107161       | 45%      | 46.0%          | 31.5%            |
| SAU800478     | CJU101082       | 38%      | 52.9%          | 58.3%            |
| SAU800478     | CPN200723       | 38%      | 71.0%          | 93.2%            |
| SAU800478     | CTR200603       | 36%      | 71.5%          | 89.9%            |
| SAU800478     | CAC103441       | 35%      | 99.8%          | 100%             |
| SAU800478     | CBO102854       | 35%      | 99.8%          | 99.4%            |
| SAU800478     | CDF100130       | 35%      | 94.9%          | 94.9%            |
| SAU800478     | EBC103996       | 44%      | 52.7%          | 46.4%            |
| SAU800478     | EFA200326       | 42%      | 99.8%          | 100%             |
| SAU800478     | EFM202154       | 62%      | 51.2%          | 98.6%            |
| SAU800478     | ECO100461       | 45%      | 50.6%          | 44.5%            |
| SAU800478     | HIN101201       | 44%      | 50.3%          | 41.3%            |
| SAU800478     | HPY100707       | 35%      | 61.6%          | 58.0%            |
| SAU800478     | KPN303900       | 46%      | 50.4%          | 44.9%            |
| SAU800478     | LPN103565       | 31%      | 26.2%          | 49.8%            |
| SAU800478     | LMO101248       | 45%      | 99.6%          | 100%             |
| SAU800478     | MCA102344       | 44%      | 46.2%          | 34.9%            |
| SAU800478     | MAV103129       | 36%      | 67.6%          | 60.8%            |
| SAU800478     | MBV105819       | 36%      | 67.6%          | 71.4%            |
| SAU800478     | MLP101393       | 32%      | 83.2%          | 79.5%            |
| SAU800478     | MTU203667       | 33%      | 84.1%          | 81.0%            |
| SAU800478     | MGE100430       | 50%      | 39.1%          | 85%              |
| SAU800478     | MPN100224       | 43%      | 48.1%          | 39.9%            |
| SAU800478     | NGO100173       | 48%      | 47.3%          | 37.8%            |
| SAU800478     | NME201516       | 33%      | 79.5%          | 62.6%            |
| SAU800478     | PMU100364       | 45%      | 50.4%          | 39.9%            |
| SAU800478     | PRT105815       | 50%      | 37.5%          | 100%             |
| SAU800478     | PAE201531       | 42%      | 50.6%          | 42.0%            |
| SAU800478     | PPU104995       | 44%      | 50.6%          | 41.4%            |
| SAU800478     | PSY101776       | 43%      | 50.6%          | 38.9%            |
| SAU800478     | SPA100619       | 40%      | 31.7%          | 34.5%            |
| SAU800478     | STY100818       | 44%      | 52.7%          | 46.4%            |
| SAU800478     | STM100530       | 44%      | 52.7%          | 46.4%            |
| SAU800478     | SAU800478       | 100%     | 100%           | 100%             |
| SAU800478     | SEP201796       | 80%      | 100%           | 100%             |
| SAU800478     | SHA102047       | 77%      | 100%           | 100%             |
| SAU800478     | SMU101072       | 39%      | 95.9%          | 96.1%            |
| SAU800478     | SPN400769       | 42%      | 93.6%          | 94.7%            |
| SAU800478     | SPY201046       | 39%      | 96.6%          | 97.3%            |
| SAU800478     | TPA100995       | 38%      | 61.4%          | 62.4%            |
| SAU800478     | UUR100085       | 41%      | 61.2%          | 59.0%            |
| SAU800478     | VCH101035       | 43%      | 50.4%          | 41.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800478     | YPS001746       | 40%      | 65.3%          | 58.1%            |
| SAU800479     | ABA104382       | 37%      | 93.3%          | 92.7%            |
| SAU800479     | BAN112149       | 65%      | 99.0%          | 96.3%            |
| SAU800479     | BPT102093       | 39%      | 94.3%          | 90.7%            |
| SAU800479     | BCE114721       | 42%      | 94.3%          | 90.7%            |
| SAU800479     | BFU105302       | 41%      | 94.3%          | 89.1%            |
| SAU800479     | BMA109392       | 40%      | 94.3%          | 90.7%            |
| SAU800479     | CJU101548       | 28%      | 72.4%          | 68.9%            |
| SAU800479     | CPN200724       | 28%      | 80%            | 87.5%            |
| SAU800479     | CTR200604       | 32%      | 86.7%          | 95.8%            |
| SAU800479     | CAC100626       | 52%      | 98.1%          | 92.0%            |
| SAU800479     | CBO103837       | 45%      | 98.1%          | 91.2%            |
| SAU800479     | CDF100131       | 51%      | 100%           | 83.3%            |
| SAU800479     | CDP101573       | 36%      | 91.4%          | 90.6%            |
| SAU800479     | EBC103997       | 38%      | 96.2%          | 90.9%            |
| SAU800479     | EFA200328       | 52%      | 95.2%          | 96.2%            |
| SAU800479     | ECO100462       | 37%      | 98.1%          | 93.6%            |
| SAU800479     | HIN100422       | 36%      | 98.1%          | 84.3%            |
| SAU800479     | HPY100034       | 29%      | 78.1%          | 82.5%            |
| SAU800479     | KPN303902       | 37%      | 96.2%          | 90.9%            |
| SAU800479     | LPN101264       | 41%      | 93.3%          | 86.6%            |
| SAU800479     | LMO102215       | 62%      | 100%           | 100%             |
| SAU800479     | MCA103545       | 38%      | 93.3%          | 91.8%            |
| SAU800479     | MAV103140       | 43%      | 95.2%          | 86.2%            |
| SAU800479     | MBV105826       | 44%      | 89.5%          | 70.7%            |
| SAU800479     | MLP101388       | 43%      | 95.2%          | 86.2%            |
| SAU800479     | MTU203662       | 44%      | 89.5%          | 70.7%            |
| SAU800479     | MGE100136       | 25%      | 92.4%          | 92%              |
| SAU800479     | MPN100560       | 25%      | 81.0%          | 86%              |
| SAU800479     | NGO100157       | 41%      | 95.2%          | 91.9%            |
| SAU800479     | NME201517       | 42%      | 95.2%          | 91.9%            |
| SAU800479     | PMU100205       | 36%      | 98.1%          | 93.6%            |
| SAU800479     | PRT100118       | 36%      | 98.1%          | 93.6%            |
| SAU800479     | PAE201532       | 37%      | 94.3%          | 90.7%            |
| SAU800479     | PPU107254       | 41%      | 92.4%          | 93.4%            |
| SAU800479     | PSY100559       | 36%      | 94.3%          | 90.7%            |
| SAU800479     | SPA100620       | 38%      | 98.1%          | 93.6%            |
| SAU800479     | STY100819       | 37%      | 98.1%          | 93.6%            |
| SAU800479     | STM100531       | 37%      | 98.1%          | 93.6%            |
| SAU800479     | SAU800479       | 100%     | 100%           | 100%             |
| SAU800479     | SEP201798       | 95%      | 100%           | 100%             |
| SAU800479     | SHA102048       | 100%     | 100%           | 100%             |
| SAU800479     | SMU100730       | 43%      | 84.8%          | 89.9%            |
| SAU800479     | SPN401010       | 42%      | 84.8%          | 89.9%            |
| SAU800479     | SPY201431       | 44%      | 84.8%          | 89.9%            |
| SAU800479     | UUR100086       | 35%      | 74.3%          | 77.8%            |
| SAU800479     | VCH101036       | 40%      | 98.1%          | 85%              |
| SAU800479     | YPS001743       | 38%      | 98.1%          | 93.6%            |
| SAU800480     | ABA105799       | 50%      | 19.2%          | 92.7%            |
| SAU800480     | ABA105949       | 42%      | 99.0%          | 99.0%            |
| SAU800480     | BAN110697       | 71%      | 91.4%          | 93.8%            |
| SAU800480     | BAN100529       | 76%      | 96.5%          | 100%             |
| SAU800480     | BAN109015       | 76%      | 100%           | 100%             |
| SAU800480     | BFR102681       | 44%      | 85.9%          | 96.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800480     | BPT102097       | 37%      | 97.0%          | 95.0%            |
| SAU800480     | BCE111406       | 40%      | 100%           | 100%             |
| SAU800480     | BFU101488       | 40%      | 100%           | 100%             |
| SAU800480     | BMA100948       | 40%      | 97.0%          | 96%              |
| SAU800480     | CJU101188       | 33%      | 98.0%          | 97.4%            |
| SAU800480     | CPN200453       | 34%      | 97.5%          | 97%              |
| SAU800480     | CTR200504       | 34%      | 98.5%          | 96.6%            |
| SAU800480     | CAC101114       | 56%      | 99.0%          | 98.5%            |
| SAU800480     | CBO102612       | 58%      | 99.0%          | 97.0%            |
| SAU800480     | CDF100132       | 63%      | 99.0%          | 97.0%            |
| SAU800480     | CDP101575       | 44%      | 96.0%          | 96.8%            |
| SAU800480     | EBC103998       | 42%      | 95.5%          | 94.5%            |
| SAU800480     | EFA200786       | 70%      | 100%           | 100%             |
| SAU800480     | EFM201740       | 70%      | 54.0%          | 100%             |
| SAU800480     | ECO100463       | 41%      | 95.5%          | 94.5%            |
| SAU800480     | HIN100423       | 40%      | 97.0%          | 96.5%            |
| SAU800480     | HPY100909       | 29%      | 93.9%          | 91.7%            |
| SAU800480     | KPN303904       | 43%      | 90.4%          | 94.2%            |
| SAU800480     | LPN100920       | 37%      | 96.5%          | 97.0%            |
| SAU800480     | LMO102835       | 77%      | 100%           | 100%             |
| SAU800480     | MCA100147       | 38%      | 97.0%          | 97.0%            |
| SAU800480     | MAV103147       | 46%      | 97.5%          | 97.5%            |
| SAU800480     | MBV105746       | 47%      | 96.0%          | 96.1%            |
| SAU800480     | MLP101387       | 48%      | 97.5%          | 97.5%            |
| SAU800480     | MTU203661       | 47%      | 96.0%          | 96.1%            |
| SAU800480     | NGO100223       | 36%      | 96.5%          | 92.7%            |
| SAU800480     | NME201284       | 38%      | 93.9%          | 90.7%            |
| SAU800480     | PMU100206       | 41%      | 97.0%          | 96.5%            |
| SAU800480     | PRT104654       | 43%      | 96.5%          | 97.5%            |
| SAU800480     | PAE201533       | 42%      | 98.5%          | 98.0%            |
| SAU800480     | PPU104991       | 41%      | 98.5%          | 97.5%            |
| SAU800480     | PSY101795       | 41%      | 98.5%          | 97.5%            |
| SAU800480     | SPA100621       | 41%      | 93.9%          | 93.0%            |
| SAU800480     | STY100840       | 43%      | 95.5%          | 94.5%            |
| SAU800480     | STM100532       | 43%      | 95.5%          | 94.5%            |
| SAU800480     | SAU800480       | 100%     | 100%           | 100%             |
| SAU800480     | SEP201800       | 96%      | 100%           | 100%             |
| SAU800480     | SHA102049       | 96%      | 100%           | 100%             |
| SAU800480     | SMU100733       | 64%      | 100%           | 100%             |
| SAU800480     | SPN401515       | 64%      | 100%           | 100%             |
| SAU800480     | SPY201089       | 64%      | 100%           | 100%             |
| SAU800480     | TPA100994       | 41%      | 95.5%          | 94.0%            |
| SAU800480     | UUR100087       | 29%      | 100%           | 99.0%            |
| SAU800480     | VCH101037       | 41%      | 97.0%          | 96.5%            |
| SAU800480     | YPS001740       | 43%      | 94.9%          | 96.0%            |
| SAU800482     | ABA102118       | 38%      | 94.1%          | 98.0%            |
| SAU800482     | BAN106730       | 46%      | 95.1%          | 97.1%            |
| SAU800482     | BAN100256       | 52%      | 95.1%          | 95.7%            |
| SAU800482     | BPT101183       | 37%      | 91.2%          | 89.4%            |
| SAU800482     | BBU100792       | 26%      | 97.6%          | 75.5%            |
| SAU800482     | BCE110353       | 36%      | 91.2%          | 92.2%            |
| SAU800482     | BFU101498       | 38%      | 91.2%          | 92.2%            |
| SAU800482     | BMA102521       | 36%      | 91.2%          | 92.2%            |
| SAU800482     | CJU100705       | 25%      | 97.6%          | 99.5%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800482     | CPN200479       | 30%      | 92.2%          | 93.7%            |
| SAU800482     | CTR200453       | 34%      | 92.2%          | 94.6%            |
| SAU800482     | CBO100215       | 20%      | 97.1%          | 93.6%            |
| SAU800482     | CDF101052       | 25%      | 80.5%          | 74.8%            |
| SAU800482     | CDP100920       | 26%      | 94.6%          | 98.0%            |
| SAU800482     | EBC100870       | 34%      | 99.0%          | 97.7%            |
| SAU800482     | EFA200788       | 50%      | 96.1%          | 95.3%            |
| SAU800482     | EFM200811       | 52%      | 84.9%          | 96.8%            |
| SAU800482     | ECO101071       | 32%      | 99.5%          | 98.1%            |
| SAU800482     | HIN100436       | 36%      | 92.7%          | 91.4%            |
| SAU800482     | HPY101453       | 31%      | 71.2%          | 70.7%            |
| SAU800482     | KPN301299       | 33%      | 98.0%          | 96.7%            |
| SAU800482     | LPN103622       | 33%      | 97.1%          | 94.8%            |
| SAU800482     | LMO100015       | 48%      | 97.1%          | 97.6%            |
| SAU800482     | MCA100671       | 38%      | 91.2%          | 92.7%            |
| SAU800482     | MAV101386       | 28%      | 66.8%          | 70%              |
| SAU800482     | MBV104527       | 30%      | 66.8%          | 68.7%            |
| SAU800482     | MLP100468       | 26%      | 80.5%          | 81.4%            |
| SAU800482     | MTU203204       | 30%      | 66.8%          | 68.7%            |
| SAU800482     | MGE100006       | 36%      | 73.7%          | 72.4%            |
| SAU800482     | MPN100148       | 37%      | 73.2%          | 71.9%            |
| SAU800482     | NGO100912       | 35%      | 91.2%          | 91.3%            |
| SAU800482     | NME200804       | 35%      | 91.2%          | 91.3%            |
| SAU800482     | PMU101673       | 34%      | 97.1%          | 82.7%            |
| SAU800482     | PRT105498       | 32%      | 98.0%          | 95.3%            |
| SAU800482     | PAE202960       | 37%      | 98.5%          | 97.1%            |
| SAU800482     | PPU104809       | 41%      | 49.8%          | 86.1%            |
| SAU800482     | PSY101689       | 38%      | 97.6%          | 96.2%            |
| SAU800482     | SPA100839       | 34%      | 96.1%          | 99.5%            |
| SAU800482     | STY102536       | 34%      | 99.0%          | 97.7%            |
| SAU800482     | STM102726       | 34%      | 99.0%          | 97.7%            |
| SAU800482     | SAU800482       | 100%     | 100%           | 100%             |
| SAU800482     | SEP201815       | 71%      | 99.0%          | 100%             |
| SAU800482     | SHA101456       | 72%      | 99.0%          | 100%             |
| SAU800482     | SMU100347       | 48%      | 92.7%          | 92.0%            |
| SAU800482     | SPN400835       | 49%      | 92.7%          | 91.5%            |
| SAU800482     | SPY200289       | 44%      | 96.6%          | 96.2%            |
| SAU800482     | TPA100350       | 34%      | 81.5%          | 77.9%            |
| SAU800482     | UUR100018       | 27%      | 98.0%          | 89.7%            |
| SAU800482     | VCH101986       | 32%      | 98.5%          | 96.7%            |
| SAU800482     | YPS003149       | 37%      | 98.0%          | 96.2%            |
| SAU800489     | ABA100849       | 39%      | 96.4%          | 98.9%            |
| SAU800489     | BAN100826       | 47%      | 98.2%          | 94.2%            |
| SAU800489     | BAN109279       | 47%      | 98.2%          | 94.2%            |
| SAU800489     | BFR10157        | 40%      | 79.9%          | 98.7%            |
| SAU800489     | BPT103018       | 40%      | 79.9%          | 60.5%            |
| SAU800489     | BBU100426       | 37%      | 80.3%          | 85.2%            |
| SAU800489     | BCE106082       | 43%      | 80.6%          | 76.6%            |
| SAU800489     | BFU100679       | 36%      | 48.0%          | 58.2%            |
| SAU800489     | BMA107830       | 41%      | 79.2%          | 75.3%            |
| SAU800489     | CJU100143       | 37%      | 80.6%          | 83.6%            |
| SAU800489     | CPN200367       | 31%      | 74.6%          | 92.0%            |
| SAU800489     | CTR200313       | 38%      | 36.6%          | 43.0%            |
| SAU800489     | CAC103360       | 42%      | 96.4%          | 95.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800489     | CBO103359       | 41%      | 96.4%          | 95.1%            |
| SAU800489     | CDF101056       | 45%      | 96.4%          | 96.4%            |
| SAU800489     | CDP100164       | 36%      | 79.6%          | 75.9%            |
| SAU800489     | EBC103879       | 46%      | 81.0%          | 79.1%            |
| SAU800489     | EFA200796       | 44%      | 98.6%          | 94.8%            |
| SAU800489     | EFM201504       | 46%      | 98.6%          | 94.5%            |
| SAU800489     | ECO103078       | 44%      | 96.4%          | 92.7%            |
| SAU800489     | HIN101619       | 41%      | 96.8%          | 94.7%            |
| SAU800489     | HPY100545       | 34%      | 79.9%          | 83.6%            |
| SAU800489     | KPN302070       | 47%      | 81.0%          | 79.1%            |
| SAU800489     | LMO101796       | 47%      | 98.6%          | 94.5%            |
| SAU800489     | MCA102246       | 42%      | 96.8%          | 95.3%            |
| SAU800489     | MAV101484       | 33%      | 81.4%          | 81.7%            |
| SAU800489     | MBV100023       | 32%      | 96.8%          | 76.6%            |
| SAU800489     | MLP100137       | 33%      | 79.2%          | 78.6%            |
| SAU800489     | MTU200992       | 32%      | 96.8%          | 93.0%            |
| SAU800489     | MGE100058       | 32%      | 99.3%          | 99.3%            |
| SAU800489     | MPN100084       | 32%      | 99.3%          | 99.3%            |
| SAU800489     | NGO100957       | 36%      | 92.8%          | 87.6%            |
| SAU800489     | NME200318       | 35%      | 92.8%          | 87.6%            |
| SAU800489     | PMU100645       | 43%      | 96.8%          | 95.0%            |
| SAU800489     | PRT104969       | 41%      | 97.1%          | 91.8%            |
| SAU800489     | PAE204420       | 43%      | 79.9%          | 79.4%            |
| SAU800489     | PPU111744       | 45%      | 81.0%          | 77.2%            |
| SAU800489     | PSY103860       | 35%      | 25.8%          | 55.3%            |
| SAU800489     | SPA103913       | 43%      | 96.4%          | 92.3%            |
| SAU800489     | STY100962       | 42%      | 96.4%          | 92.3%            |
| SAU800489     | SAU800489       | 100%     | 100%           | 100%             |
| SAU800489     | SEP201822       | 69%      | 99.6%          | 99.6%            |
| SAU800489     | SHA100908       | 68%      | 100%           | 99.6%            |
| SAU800489     | SMU101225       | 43%      | 98.6%          | 94.4%            |
| SAU800489     | SPN400838       | 45%      | 97.8%          | 92.7%            |
| SAU800489     | SPY200293       | 44%      | 98.6%          | 94.8%            |
| SAU800489     | TPA100965       | 32%      | 80.6%          | 99.6%            |
| SAU800489     | UUR100195       | 35%      | 97.5%          | 95.3%            |
| SAU800489     | VCH100572       | 45%      | 96.8%          | 92.7%            |
| SAU800489     | YPS002234       | 40%      | 97.1%          | 89.6%            |
| SAU800490     | ABA100276       | 24%      | 98.3%          | 98.3%            |
| SAU800490     | BAN108536       | 52%      | 99.5%          | 99.7%            |
| SAU800490     | BAN106673       | 65%      | 99.5%          | 97.9%            |
| SAU800490     | BFR102747       | 27%      | 98.9%          | 98.7%            |
| SAU800490     | BPT101447       | 26%      | 98.0%          | 97.3%            |
| SAU800490     | BBU100586       | 24%      | 96.5%          | 88.4%            |
| SAU800490     | BCE102027       | 25%      | 71.2%          | 89.4%            |
| SAU800490     | BFU100073       | 26%      | 58.3%          | 88.4%            |
| SAU800490     | BMA108903       | 25%      | 73.2%          | 91.8%            |
| SAU800490     | CJU100777       | 40%      | 98.9%          | 99.5%            |
| SAU800490     | CPN200639       | 28%      | 67.4%          | 84.6%            |
| SAU800490     | CTR200296       | 29%      | 68.0%          | 85.1%            |
| SAU800490     | CAC100973       | 51%      | 99.7%          | 99.5%            |
| SAU800490     | CBO102771       | 51%      | 100%           | 95.7%            |
| SAU800490     | CDF101033       | 50%      | 100%           | 100%             |
| SAU800490     | CDP100167       | 29%      | 79.8%          | 93.1%            |
| SAU800490     | EBC101813       | 26%      | 96.2%          | 95.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800490     | EFA202274       | 58%      | 99.5%          | 98.2%            |
| SAU800490     | EFM201416       | 59%      | 99.5%          | 99.4%            |
| SAU800490     | ECO102073       | 27%      | 97.7%          | 97.3%            |
| SAU800490     | HIN101245       | 28%      | 98.9%          | 98.7%            |
| SAU800490     | HPY100413       | 40%      | 97.1%          | 97.4%            |
| SAU800490     | KPN304492       | 27%      | 96.2%          | 95.4%            |
| SAU800490     | LPN100787       | 26%      | 98.0%          | 98.1%            |
| SAU800490     | LMO100235       | 64%      | 99.7%          | 99.4%            |
| SAU800490     | MCA102320       | 26%      | 98.8%          | 98.7%            |
| SAU800490     | MAV104609       | 61%      | 4.7%           | 44.9%            |
| SAU800490     | MAV106118       | 40%      | 79.5%          | 98.8%            |
| SAU800490     | MBV100570       | 41%      | 78.5%          | 97.5%            |
| SAU800490     | MLP100169       | 39%      | 78.5%          | 94.6%            |
| SAU800490     | MTU200996       | 41%      | 78.5%          | 97.5%            |
| SAU800490     | MGE100021       | 35%      | 78.7%          | 99.2%            |
| SAU800490     | MPN100131       | 36%      | 78.7%          | 99.2%            |
| SAU800490     | NGO101883       | 25%      | 98.3%          | 98.5%            |
| SAU800490     | NME200259       | 26%      | 98.3%          | 98.5%            |
| SAU800490     | PMU100303       | 27%      | 98.9%          | 98.7%            |
| SAU800490     | PRT101803       | 28%      | 98.9%          | 98.7%            |
| SAU800490     | PAE203480       | 24%      | 98.9%          | 98.8%            |
| SAU800490     | PPU101569       | 24%      | 98.9%          | 98.8%            |
| SAU800490     | PSY100792       | 26%      | 98.9%          | 98.8%            |
| SAU800490     | SPA103088       | 26%      | 73.1%          | 87.1%            |
| SAU800490     | STY104199       | 27%      | 96.2%          | 95.9%            |
| SAU800490     | STM103952       | 27%      | 96.2%          | 95.9%            |
| SAU800490     | SAU800490       | 100%     | 100%           | 100%             |
| SAU800490     | SEP201823       | 89%      | 100%           | 100%             |
| SAU800490     | SHA100909       | 90%      | 100%           | 100%             |
| SAU800490     | SMU101170       | 57%      | 99.5%          | 99.4%            |
| SAU800490     | SPN400696       | 56%      | 99.8%          | 97.8%            |
| SAU800490     | SPY200301       | 54%      | 99.8%          | 99.8%            |
| SAU800490     | TPA100790       | 25%      | 98.0%          | 91.6%            |
| SAU800490     | UUR100197       | 42%      | 80.2%          | 99.8%            |
| SAU800490     | VCH101017       | 29%      | 96.2%          | 89.6%            |
| SAU800490     | YPS002325       | 27%      | 98.9%          | 98.7%            |
| SAU800491     | ABA100892       | 35%      | 98.1%          | 98.4%            |
| SAU800491     | BAN104972       | 63%      | 99.2%          | 100%             |
| SAU800491     | BAN107227       | 67%      | 99.2%          | 99.6%            |
| SAU800491     | BFR10051        | 38%      | 99.2%          | 99.2%            |
| SAU800491     | BPT101189       | 46%      | 98.8%          | 97.3%            |
| SAU800491     | BBU100193       | 31%      | 93.4%          | 88.5%            |
| SAU800491     | BCE103375       | 40%      | 99.2%          | 99.2%            |
| SAU800491     | BFU101514       | 38%      | 99.2%          | 97.7%            |
| SAU800491     | BMA109910       | 39%      | 99.2%          | 95.5%            |
| SAU800491     | CJU100605       | 36%      | 98.1%          | 94.1%            |
| SAU800491     | CPN201066       | 32%      | 96.1%          | 96.6%            |
| SAU800491     | CTR200872       | 38%      | 97.3%          | 97.3%            |
| SAU800491     | CAC102492       | 40%      | 99.2%          | 100%             |
| SAU800491     | CBO103547       | 41%      | 99.2%          | 93.4%            |
| SAU800491     | CDF101036       | 46%      | 99.2%          | 99.6%            |
| SAU800491     | CDP100170       | 28%      | 99.6%          | 92.3%            |
| SAU800491     | EBC103303       | 32%      | 99.2%          | 99.6%            |
| SAU800491     | EFA202270       | 50%      | 99.6%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800491     | EFM202632       | 51%      | 99.6%          | 98.8%            |
| SAU800491     | ECO101073       | 37%      | 99.6%          | 96.6%            |
| SAU800491     | HIN100434       | 42%      | 98.8%          | 98.1%            |
| SAU800491     | HPY101550       | 36%      | 98.8%          | 99.2%            |
| SAU800491     | KPN301297       | 36%      | 99.2%          | 97.3%            |
| SAU800491     | LPN103035       | 39%      | 99.2%          | 95.6%            |
| SAU800491     | LMO102830       | 62%      | 99.2%          | 99.2%            |
| SAU800491     | MCA101167       | 33%      | 98.8%          | 96.3%            |
| SAU800491     | MAV103983       | 43%      | 32.3%          | 95.4%            |
| SAU800491     | MAV105506       | 34%      | 98.8%          | 92.3%            |
| SAU800491     | MBV100571       | 34%      | 98.8%          | 98.1%            |
| SAU800491     | MLP100170       | 34%      | 99.6%          | 99.6%            |
| SAU800491     | MTU200997       | 33%      | 98.8%          | 98.1%            |
| SAU800491     | MGE100009       | 32%      | 97.3%          | 97.7%            |
| SAU800491     | MPN100145       | 31%      | 97.3%          | 98.1%            |
| SAU800491     | NGO100069       | 38%      | 98.1%          | 95.8%            |
| SAU800491     | NME200905       | 38%      | 98.1%          | 95.8%            |
| SAU800491     | PMU101675       | 38%      | 99.2%          | 98.5%            |
| SAU800491     | PRT101376       | 38%      | 98.8%          | 97.3%            |
| SAU800491     | PAE202957       | 39%      | 99.2%          | 99.2%            |
| SAU800491     | PPU107366       | 38%      | 99.2%          | 96.6%            |
| SAU800491     | PSY101683       | 39%      | 99.2%          | 98.1%            |
| SAU800491     | SPA100837       | 35%      | 94.9%          | 92.8%            |
| SAU800491     | STY102538       | 35%      | 99.6%          | 96.6%            |
| SAU800491     | STM102728       | 36%      | 99.6%          | 96.6%            |
| SAU800491     | SAU800491       | 100%     | 100%           | 100%             |
| SAU800491     | SEP201824       | 85%      | 99.6%          | 100%             |
| SAU800491     | SHA100910       | 85%      | 99.2%          | 100%             |
| SAU800491     | SMU100668       | 46%      | 98.8%          | 84.6%            |
| SAU800491     | SPN401803       | 47%      | 100%           | 99.6%            |
| SAU800491     | SPY200190       | 44%      | 99.2%          | 92.7%            |
| SAU800491     | TPA100969       | 31%      | 98.8%          | 98.4%            |
| SAU800491     | UUR100015       | 32%      | 98.4%          | 96.6%            |
| SAU800491     | VCH101984       | 42%      | 98.4%          | 99.2%            |
| SAU800491     | YPS003163       | 37%      | 99.6%          | 95.2%            |
| SAU800492     | BAN104923       | 36%      | 97.8%          | 95.1%            |
| SAU800492     | BAN102132       | 46%      | 97.8%          | 94.6%            |
| SAU800492     | BBU100625       | 32%      | 97.8%          | 93.9%            |
| SAU800492     | BCE105663       | 35%      | 31.5%          | 16.1%            |
| SAU800492     | CAC101872       | 42%      | 97.2%          | 93.0%            |
| SAU800492     | CBO101116       | 43%      | 98.3%          | 96.1%            |
| SAU800492     | CDF101044       | 43%      | 97.8%          | 98.3%            |
| SAU800492     | EFA202268       | 50%      | 98.3%          | 92.3%            |
| SAU800492     | EFM201126       | 51%      | 98.9%          | 94.7%            |
| SAU800492     | LMO102330       | 50%      | 97.8%          | 92.1%            |
| SAU800492     | MGE100059       | 29%      | 98.9%          | 96.6%            |
| SAU800492     | MPN100083       | 30%      | 98.9%          | 96.6%            |
| SAU800492     | SAU800492       | 100%     | 100%           | 100%             |
| SAU800492     | SEP201825       | 80%      | 100%           | 98.3%            |
| SAU800492     | SHA100911       | 86%      | 94.4%          | 100%             |
| SAU800492     | SMU100669       | 48%      | 98.9%          | 95.3%            |
| SAU800492     | SPN401802       | 48%      | 98.3%          | 96.8%            |
| SAU800492     | SPY200191       | 48%      | 98.9%          | 95.8%            |
| SAU800492     | UUR100194       | 34%      | 97.8%          | 96.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800493     | ABA100682       | 33%      | 90.5%          | 94.4%            |
| SAU800493     | BAN107465       | 48%      | 93.2%          | 96.5%            |
| SAU800493     | BAN113646       | 58%      | 94.9%          | 96.2%            |
| SAU800493     | BFR104367       | 29%      | 85.5%          | 93.7%            |
| SAU800493     | BPT102402       | 29%      | 88.2%          | 92.1%            |
| SAU800493     | BBU100589       | 30%      | 91.2%          | 88.6%            |
| SAU800493     | BCE108053       | 33%      | 87.2%          | 90.5%            |
| SAU800493     | BFU111016       | 31%      | 88.2%          | 91.0%            |
| SAU800493     | BMA101986       | 29%      | 88.2%          | 91.6%            |
| SAU800493     | CJU101615       | 30%      | 90.2%          | 95.1%            |
| SAU800493     | CPN200776       | 34%      | 94.9%          | 97.5%            |
| SAU800493     | CTR200623       | 32%      | 90.2%          | 92.4%            |
| SAU800493     | CAC101811       | 42%      | 93.2%          | 97.1%            |
| SAU800493     | CBO102499       | 45%      | 92.2%          | 95.3%            |
| SAU800493     | CDF101046       | 48%      | 94.3%          | 95.2%            |
| SAU800493     | CDP100176       | 36%      | 93.2%          | 92.9%            |
| SAU800493     | EBC103152       | 35%      | 88.2%          | 91.2%            |
| SAU800493     | EFA202266       | 55%      | 96.3%          | 96.6%            |
| SAU800493     | EFM201598       | 57%      | 86.5%          | 98.5%            |
| SAU800493     | ECO100051       | 34%      | 88.2%          | 91.2%            |
| SAU800493     | HIN100528       | 35%      | 89.5%          | 89.9%            |
| SAU800493     | HPY101410       | 28%      | 88.2%          | 95.9%            |
| SAU800493     | KPN303919       | 35%      | 87.2%          | 90.1%            |
| SAU800493     | LPN100965       | 36%      | 40.2%          | 99.1%            |
| SAU800493     | LPN101283       | 38%      | 52.4%          | 94.9%            |
| SAU800493     | LMO100407       | 54%      | 95.3%          | 95.9%            |
| SAU800493     | MCA100787       | 36%      | 88.2%          | 90.5%            |
| SAU800493     | MAV104612       | 40%      | 30.1%          | 45.4%            |
| SAU800493     | MAV105510       | 36%      | 85.5%          | 90.3%            |
| SAU800493     | MBV100573       | 37%      | 94.3%          | 87.1%            |
| SAU800493     | MLP100172       | 36%      | 88.2%          | 84.3%            |
| SAU800493     | MTU200999       | 37%      | 94.3%          | 87.1%            |
| SAU800493     | MGE100472       | 28%      | 90.9%          | 97.3%            |
| SAU800493     | MPN100163       | 27%      | 90.9%          | 95.8%            |
| SAU800493     | NGO101054       | 35%      | 88.2%          | 94.2%            |
| SAU800493     | NME200834       | 35%      | 88.2%          | 94.2%            |
| SAU800493     | PMU101209       | 34%      | 89.5%          | 89.6%            |
| SAU800493     | PRT101236       | 34%      | 88.2%          | 91.5%            |
| SAU800493     | PAE200591       | 34%      | 89.9%          | 94.4%            |
| SAU800493     | PPU100621       | 31%      | 91.6%          | 96.6%            |
| SAU800493     | PSY103410       | 31%      | 91.2%          | 95.9%            |
| SAU800493     | SPA103696       | 34%      | 88.2%          | 91.2%            |
| SAU800493     | STY101223       | 34%      | 88.2%          | 91.2%            |
| SAU800493     | SAU800493       | 100%     | 100%           | 100%             |
| SAU800493     | SEP201826       | 85%      | 97.6%          | 97.6%            |
| SAU800493     | SHA100888       | 85%      | 77.0%          | 97.4%            |
| SAU800493     | SMU100672       | 51%      | 94.3%          | 95.9%            |
| SAU800493     | SPN401797       | 52%      | 95.9%          | 97.9%            |
| SAU800493     | SPY200192       | 51%      | 95.9%          | 97.9%            |
| SAU800493     | TPA100333       | 30%      | 90.9%          | 91.9%            |
| SAU800493     | UUR100608       | 33%      | 87.5%          | 98.1%            |
| SAU800493     | VCH100438       | 34%      | 89.5%          | 89.4%            |
| SAU800493     | YPS000855       | 35%      | 88.2%          | 91.5%            |
| SAU800499     | ABA101082       | 43%      | 100%           | 98.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800499     | BAN107008       | 57%      | 40.9%          | 93.9%            |
| SAU800499     | BAN100973       | 40%      | 96.2%          | 95.0%            |
| SAU800499     | BAN103777       | 57%      | 99.1%          | 97.2%            |
| SAU800499     | BFR105147       | 22%      | 37.3%          | 58.0%            |
| SAU800499     | BFR10527        | 25%      | 38.7%          | 67.2%            |
| SAU800499     | BPT102045       | 41%      | 99.3%          | 98.5%            |
| SAU800499     | BCE100457       | 41%      | 98.4%          | 97.6%            |
| SAU800499     | BFU103184       | 41%      | 98.4%          | 97.6%            |
| SAU800499     | BMA102057       | 42%      | 98.4%          | 78.1%            |
| SAU800499     | CJU100760       | 38%      | 100%           | 99.1%            |
| SAU800499     | CPN201105       | 28%      | 30.7%          | 82.4%            |
| SAU800499     | CTR200906       | 32%      | 18.7%          | 59.6%            |
| SAU800499     | CAC101806       | 48%      | 99.6%          | 98.2%            |
| SAU800499     | CBO102572       | 49%      | 98.7%          | 97.2%            |
| SAU800499     | CDF104126       | 53%      | 99.6%          | 97.4%            |
| SAU800499     | CDP100856       | 42%      | 98.4%          | 93.0%            |
| SAU800499     | EBC104247       | 42%      | 98.9%          | 97.1%            |
| SAU800499     | EFA200171       | 56%      | 99.6%          | 97.8%            |
| SAU800499     | EFM201841       | 53%      | 99.6%          | 99.1%            |
| SAU800499     | ECO103651       | 43%      | 98.9%          | 97.1%            |
| SAU800499     | HIN100623       | 43%      | 99.1%          | 97.4%            |
| SAU800499     | HPY100675       | 37%      | 98.9%          | 97.9%            |
| SAU800499     | KPN300897       | 41%      | 89.6%          | 98.0%            |
| SAU800499     | LPN103319       | 38%      | 88.9%          | 95.1%            |
| SAU800499     | LMO102429       | 54%      | 99.8%          | 98.2%            |
| SAU800499     | MCA100598       | 42%      | 100%           | 98.7%            |
| SAU800499     | MAV102216       | 40%      | 98.4%          | 92.0%            |
| SAU800499     | MBV105653       | 40%      | 98.4%          | 91.1%            |
| SAU800499     | MLP100180       | 39%      | 98.4%          | 91.7%            |
| SAU800499     | MTU201007       | 40%      | 98.4%          | 91.1%            |
| SAU800499     | NGO101927       | 43%      | 99.3%          | 94.3%            |
| SAU800499     | NME200267       | 41%      | 98.4%          | 96.5%            |
| SAU800499     | PMU101806       | 42%      | 98.9%          | 96.7%            |
| SAU800499     | PRT104690       | 42%      | 99.6%          | 97.6%            |
| SAU800499     | PAE205547       | 44%      | 100%           | 98.7%            |
| SAU800499     | PPU110920       | 45%      | 88.9%          | 98.0%            |
| SAU800499     | PSY103456       | 45%      | 98.9%          | 97.4%            |
| SAU800499     | SPA106948       | 48%      | 23.8%          | 83.6%            |
| SAU800499     | STY103862       | 43%      | 98.9%          | 97.1%            |
| SAU800499     | STM103592       | 25%      | 37.8%          | 43.4%            |
| SAU800499     | SAU800499       | 100%     | 100%           | 100%             |
| SAU800499     | SEP201832       | 76%      | 100%           | 99.8%            |
| SAU800499     | SHA100894       | 74%      | 99.8%          | 100%             |
| SAU800499     | SMU101164       | 49%      | 100%           | 96.6%            |
| SAU800499     | SPN400891       | 48%      | 99.6%          | 93.5%            |
| SAU800499     | SPY200317       | 47%      | 100%           | 97.8%            |
| SAU800499     | VCH102723       | 42%      | 100%           | 98.9%            |
| SAU800499     | YPS003547       | 43%      | 98.9%          | 97.1%            |
| SAU800503     | ABA102546       | 34%      | 16.7%          | 100%             |
| SAU800503     | ABA101608       | 37%      | 92.3%          | 93.1%            |
| SAU800503     | BAN104617       | 35%      | 94.9%          | 94.8%            |
| SAU800503     | BAN104798       | 50%      | 97.2%          | 97.0%            |
| SAU800503     | BFR106066       | 34%      | 92.6%          | 91.9%            |
| SAU800503     | BPT100078       | 36%      | 91.4%          | 93.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800503     | BBU100622       | 35%      | 95.8%          | 95.6%            |
| SAU800503     | BCE107511       | 36%      | 91.1%          | 90.8%            |
| SAU800503     | BFU101876       | 43%      | 59.6%          | 73.5%            |
| SAU800503     | BMA109410       | 36%      | 91.1%          | 90.0%            |
| SAU800503     | CJU101011       | 36%      | 16.2%          | 7.8%             |
| SAU800503     | CPN200958       | 40%      | 18.1%          | 14.1%            |
| SAU800503     | CTR200123       | 40%      | 17.7%          | 13.9%            |
| SAU800503     | CAC101838       | 42%      | 98.6%          | 98.5%            |
| SAU800503     | CBO103147       | 42%      | 93.3%          | 91.6%            |
| SAU800503     | CDF103177       | 43%      | 90.8%          | 93.3%            |
| SAU800503     | CDP100876       | 35%      | 93.6%          | 88.2%            |
| SAU800503     | EBC101582       | 36%      | 84.3%          | 96.1%            |
| SAU800503     | EFA201946       | 48%      | 96.3%          | 95.1%            |
| SAU800503     | EFM201703       | 48%      | 97.5%          | 97.6%            |
| SAU800503     | ECO101087       | 36%      | 92.0%          | 92.9%            |
| SAU800503     | HIN101230       | 35%      | 93.5%          | 94.9%            |
| SAU800503     | HPY101518       | 31%      | 86.1%          | 89.7%            |
| SAU800503     | KPN300307       | 59%      | 10.0%          | 82.4%            |
| SAU800503     | KPN302590       | 43%      | 13.5%          | 12.8%            |
| SAU800503     | LPN102055       | 38%      | 92.0%          | 92.5%            |
| SAU800503     | LMO101320       | 50%      | 97.3%          | 96.7%            |
| SAU800503     | MCA102969       | 43%      | 21.3%          | 23.3%            |
| SAU800503     | MAV105497       | 37%      | 92.3%          | 89.8%            |
| SAU800503     | MBV103326       | 36%      | 96.6%          | 92.9%            |
| SAU800503     | MLP100181       | 37%      | 89.0%          | 87.3%            |
| SAU800503     | MTU201009       | 36%      | 96.6%          | 92.9%            |
| SAU800503     | NGO101007       | 44%      | 13.6%          | 20.5%            |
| SAU800503     | NME201357       | 41%      | 12.8%          | 23.5%            |
| SAU800503     | PMU101041       | 35%      | 89.6%          | 90.6%            |
| SAU800503     | PRT100883       | 37%      | 92.0%          | 91.4%            |
| SAU800503     | PAE203000       | 46%      | 16.6%          | 16.1%            |
| SAU800503     | PPU100453       | 47%      | 17.6%          | 17.2%            |
| SAU800503     | PSY102964       | 47%      | 17.6%          | 17.7%            |
| SAU800503     | SPA102802       | 34%      | 90.6%          | 92.5%            |
| SAU800503     | STY102552       | 36%      | 92.0%          | 92.9%            |
| SAU800503     | SAU800503       | 100%     | 100%           | 100%             |
| SAU800503     | SEP201836       | 83%      | 99.8%          | 99.7%            |
| SAU800503     | SHA101206       | 86%      | 91.5%          | 100%             |
| SAU800503     | SMU100032       | 44%      | 92.6%          | 92.1%            |
| SAU800503     | SPN400006       | 44%      | 98.1%          | 97.6%            |
| SAU800503     | SPY200006       | 43%      | 95.9%          | 95.3%            |
| SAU800503     | TPA100340       | 36%      | 85.5%          | 86.1%            |
| SAU800503     | VCH101856       | 36%      | 91.1%          | 92.0%            |
| SAU800503     | YPS003221       | 35%      | 91.7%          | 92.9%            |
| SAU800505     | ABA104443       | 32%      | 28.5%          | 43.3%            |
| SAU800505     | BAN111975       | 31%      | 87.9%          | 71.8%            |
| SAU800505     | BAN108271       | 48%      | 88.9%          | 99.8%            |
| SAU800505     | BFR102176       | 33%      | 38.0%          | 61.4%            |
| SAU800505     | BMA101936       | 30%      | 21.7%          | 29.9%            |
| SAU800505     | CPN200348       | 27%      | 30.5%          | 93.8%            |
| SAU800505     | CTR200519       | 33%      | 25.7%          | 81.1%            |
| SAU800505     | CAC100550       | 38%      | 87.2%          | 70.8%            |
| SAU800505     | CBO103340       | 43%      | 88.4%          | 71.5%            |
| SAU800505     | CDF100076       | 37%      | 36.0%          | 96.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800505     | CDF102581       | 40%      | 87.9%          | 70.1%            |
| SAU800505     | CDP100886       | 30%      | 50.9%          | 95.2%            |
| SAU800505     | EBC102295       | 40%      | 28.5%          | 43.0%            |
| SAU800505     | EFM201761       | 21%      | 36.5%          | 30.5%            |
| SAU800505     | ECO102721       | 37%      | 31.2%          | 47.1%            |
| SAU800505     | HIN100440       | 38%      | 31.7%          | 47.5%            |
| SAU800505     | KPN305177       | 38%      | 28.5%          | 43.0%            |
| SAU800505     | MCA100862       | 42%      | 25.7%          | 38.4%            |
| SAU800505     | MAV105499       | 36%      | 25.4%          | 30.5%            |
| SAU800505     | MBV105650       | 38%      | 25.4%          | 31.4%            |
| SAU800505     | MTU201010       | 38%      | 25.4%          | 31.4%            |
| SAU800505     | PMU101285       | 33%      | 31.2%          | 46.6%            |
| SAU800505     | PRT101036       | 38%      | 28.5%          | 42.6%            |
| SAU800505     | PAE200934       | 33%      | 28.7%          | 45.7%            |
| SAU800505     | PPU107700       | 34%      | 24.9%          | 35.7%            |
| SAU800505     | PSY104526       | 40%      | 28.5%          | 94.2%            |
| SAU800505     | SPA102074       | 35%      | 30.5%          | 82.9%            |
| SAU800505     | STY103512       | 36%      | 31.2%          | 46.6%            |
| SAU800505     | SAU800505       | 100%     | 100%           | 100%             |
| SAU800505     | SEP201838       | 72%      | 100%           | 100%             |
| SAU800505     | SHA102554       | 70%      | 36.3%          | 100%             |
| SAU800505     | TPA100770       | 34%      | 25.2%          | 38.3%            |
| SAU800505     | VCH102414       | 38%      | 31.2%          | 44.6%            |
| SAU800505     | YPS000131       | 38%      | 24.2%          | 34.3%            |
| SAU800506     | ABA101313       | 32%      | 92.0%          | 55.5%            |
| SAU800506     | BAN106094       | 68%      | 97.7%          | 93.4%            |
| SAU800506     | BFR102864       | 32%      | 80.5%          | 51.5%            |
| SAU800506     | BCE102752       | 38%      | 56.3%          | 36.3%            |
| SAU800506     | BFU102630       | 29%      | 97.7%          | 61.9%            |
| SAU800506     | BMA103568       | 37%      | 51.7%          | 33.3%            |
| SAU800506     | CJU100622       | 36%      | 89.7%          | 97.5%            |
| SAU800506     | CAC100495       | 56%      | 90.8%          | 94.0%            |
| SAU800506     | CBO103120       | 46%      | 90.8%          | 100%             |
| SAU800506     | CDF102100       | 56%      | 92.0%          | 96.4%            |
| SAU800506     | EBC103854       | 38%      | 74.7%          | 48.9%            |
| SAU800506     | EFA201935       | 55%      | 98.9%          | 98.9%            |
| SAU800506     | EFM200589       | 60%      | 97.7%          | 95.5%            |
| SAU800506     | ECO103323       | 38%      | 74.7%          | 48.9%            |
| SAU800506     | HIN100541       | 33%      | 74.7%          | 49.6%            |
| SAU800506     | HPY101402       | 32%      | 80.5%          | 86.9%            |
| SAU800506     | KPN303170       | 34%      | 88.5%          | 58.6%            |
| SAU800506     | LMO100666       | 60%      | 100%           | 94.6%            |
| SAU800506     | MCA100618       | 31%      | 100%           | 69.2%            |
| SAU800506     | NGO103107       | 30%      | 88.5%          | 58.6%            |
| SAU800506     | NME201236       | 30%      | 88.5%          | 58.6%            |
| SAU800506     | PMU101546       | 34%      | 93.1%          | 58.6%            |
| SAU800506     | PRT105340       | 33%      | 69.0%          | 43.8%            |
| SAU800506     | PAE205190       | 32%      | 88.5%          | 59.5%            |
| SAU800506     | PPU109989       | 36%      | 100%           | 67.7%            |
| SAU800506     | PSY108373       | 37%      | 73.6%          | 47.4%            |
| SAU800506     | SPA102218       | 35%      | 88.5%          | 59.5%            |
| SAU800506     | STY101382       | 35%      | 88.5%          | 58.6%            |
| SAU800506     | STM102897       | 34%      | 88.5%          | 58.6%            |
| SAU800506     | SAU800506       | 100%     | 100%           | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800506     | SEP201839       | 75%      | 98.9%          | 98.9%            |
| SAU800506     | SMU100033       | 57%      | 97.7%          | 94.4%            |
| SAU800506     | SPN400007       | 61%      | 98.9%          | 97.7%            |
| SAU800506     | SPY200007       | 55%      | 96.6%          | 85.7%            |
| SAU800506     | VCH102696       | 30%      | 74.7%          | 51.2%            |
| SAU800506     | YPS001564       | 32%      | 92.0%          | 60%              |
| SAU800509     | ABA100310       | 21%      | 88.2%          | 88.1%            |
| SAU800509     | BAN106833       | 24%      | 89.3%          | 89.3%            |
| SAU800509     | BAN110448       | 25%      | 91.6%          | 87.0%            |
| SAU800509     | BFR105493       | 33%      | 37.1%          | 39.2%            |
| SAU800509     | BPT101422       | 24%      | 43.9%          | 64.0%            |
| SAU800509     | BBU100787       | 26%      | 75.9%          | 72.5%            |
| SAU800509     | BCE103292       | 27%      | 45.5%          | 41.0%            |
| SAU800509     | BFU100945       | 26%      | 43.6%          | 39.1%            |
| SAU800509     | BMA101020       | 24%      | 43.2%          | 40.6%            |
| SAU800509     | CJU101371       | 34%      | 41.8%          | 53.3%            |
| SAU800509     | CPN200842       | 29%      | 54.8%          | 72.4%            |
| SAU800509     | CTR200223       | 29%      | 55.2%          | 72.6%            |
| SAU800509     | CAC100355       | 27%      | 90.5%          | 88.5%            |
| SAU800509     | CBO100497       | 23%      | 90.5%          | 87.4%            |
| SAU800509     | CDF101023       | 26%      | 93.0%          | 90.7%            |
| SAU800509     | CDP100675       | 24%      | 44.1%          | 57.3%            |
| SAU800509     | EBC102557       | 29%      | 44.1%          | 72.7%            |
| SAU800509     | EFA201933       | 29%      | 93.5%          | 84.2%            |
| SAU800509     | EFM202069       | 26%      | 88.9%          | 92.8%            |
| SAU800509     | ECO100188       | 32%      | 94.2%          | 93.1%            |
| SAU800509     | HIN100384       | 23%      | 92.1%          | 93.7%            |
| SAU800509     | HPY100716       | 22%      | 79.4%          | 88.7%            |
| SAU800509     | KPN301915       | 30%      | 94.2%          | 92.0%            |
| SAU800509     | LPN100863       | 22%      | 86.1%          | 91%              |
| SAU800509     | MCA100637       | 29%      | 46.6%          | 45.0%            |
| SAU800509     | MBV102370       | 24%      | 45.2%          | 56.0%            |
| SAU800509     | MLP100150       | 24%      | 45.0%          | 56.3%            |
| SAU800509     | MTU203573       | 24%      | 45.2%          | 56.0%            |
| SAU800509     | MGE100086       | 27%      | 60.6%          | 97.2%            |
| SAU800509     | MPN100609       | 29%      | 42.5%          | 60.2%            |
| SAU800509     | NGO102060       | 33%      | 43.2%          | 43.8%            |
| SAU800509     | NME201238       | 34%      | 43.2%          | 42.3%            |
| SAU800509     | PMU100289       | 22%      | 92.1%          | 94.2%            |
| SAU800509     | PRT101174       | 21%      | 92.3%          | 90.2%            |
| SAU800509     | PAE203636       | 31%      | 49.0%          | 46.6%            |
| SAU800509     | PPU101173       | 27%      | 46.6%          | 44.5%            |
| SAU800509     | PSY104552       | 25%      | 38.3%          | 60.9%            |
| SAU800509     | SPA100900       | 31%      | 43.6%          | 43.1%            |
| SAU800509     | STY103952       | 32%      | 44.1%          | 43.3%            |
| SAU800509     | STM103634       | 32%      | 44.1%          | 43.3%            |
| SAU800509     | SAU800509       | 100%     | 100%           | 100%             |
| SAU800509     | SEP201842       | 53%      | 100%           | 99.8%            |
| SAU800509     | SHA100217       | 51%      | 74.2%          | 99.4%            |
| SAU800509     | SMU101186       | 27%      | 89.6%          | 92.8%            |
| SAU800509     | SPN400010       | 26%      | 94.4%          | 90.8%            |
| SAU800509     | SPY200010       | 26%      | 96.3%          | 93.0%            |
| SAU800509     | TPA100369       | 34%      | 89.8%          | 88.1%            |
| SAU800509     | UUR100075       | 28%      | 52.7%          | 66.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800509     | VCH102208       | 27%      | 93.0%          | 90.5%            |
| SAU800509     | YPS001161       | 27%      | 44.3%          | 40.9%            |
| SAU800511     | ABA105195       | 50%      | 86.2%          | 94.7%            |
| SAU800511     | BAN107378       | 54%      | 75.6%          | 82.0%            |
| SAU800511     | BAN104843       | 66%      | 90.2%          | 99.8%            |
| SAU800511     | BFR10770        | 46%      | 85.9%          | 89.1%            |
| SAU800511     | BPT101027       | 49%      | 84.9%          | 94.2%            |
| SAU800511     | BBU100788       | 46%      | 88.5%          | 96.1%            |
| SAU800511     | BCE112663       | 46%      | 86.9%          | 94.3%            |
| SAU800511     | BFU107253       | 45%      | 89.8%          | 97.9%            |
| SAU800511     | BMA108557       | 46%      | 86.9%          | 94.9%            |
| SAU800511     | CJU101042       | 44%      | 85.7%          | 91.9%            |
| SAU800511     | CPN200841       | 51%      | 72.2%          | 55.1%            |
| SAU800511     | CTR200224       | 51%      | 72.2%          | 54.6%            |
| SAU800511     | CAC100135       | 54%      | 86.7%          | 99.5%            |
| SAU800511     | CBO100230       | 55%      | 85.2%          | 97.8%            |
| SAU800511     | CDF101022       | 51%      | 96.1%          | 98.8%            |
| SAU800511     | CDP100671       | 47%      | 88.7%          | 75%              |
| SAU800511     | EBC102676       | 48%      | 85.8%          | 95.2%            |
| SAU800511     | EFA201931       | 56%      | 98.7%          | 96.7%            |
| SAU800511     | EFM102207       | 28%      | 15.1%          | 93.7%            |
| SAU800511     | ECO103108       | 47%      | 85.8%          | 91.6%            |
| SAU800511     | HIN101433       | 50%      | 48.1%          | 88.5%            |
| SAU800511     | HIN101301       | 48%      | 85.8%          | 92.8%            |
| SAU800511     | HPY101052       | 43%      | 86.4%          | 95.3%            |
| SAU800511     | KPN300884       | 48%      | 44.9%          | 85.8%            |
| SAU800511     | LPN103008       | 47%      | 90.2%          | 97.2%            |
| SAU800511     | LMO101976       | 61%      | 98.6%          | 99.7%            |
| SAU800511     | MCA103535       | 48%      | 85.1%          | 91.1%            |
| SAU800511     | MAV100910       | 46%      | 86.5%          | 75.0%            |
| SAU800511     | MBV102391       | 49%      | 81.5%          | 95.0%            |
| SAU800511     | MLP100154       | 47%      | 85.5%          | 75.2%            |
| SAU800511     | MTU203558       | 47%      | 85.9%          | 78.3%            |
| SAU800511     | MGE100466       | 51%      | 70.7%          | 69.9%            |
| SAU800511     | MPN100171       | 45%      | 85.8%          | 82.9%            |
| SAU800511     | NGO100852       | 46%      | 94.5%          | 99.8%            |
| SAU800511     | NME200929       | 46%      | 94.5%          | 99.8%            |
| SAU800511     | PMU100438       | 48%      | 85.8%          | 92.0%            |
| SAU800511     | PRT100619       | 48%      | 86.5%          | 91.7%            |
| SAU800511     | PAE204747       | 49%      | 86.8%          | 93.7%            |
| SAU800511     | PPU108510       | 48%      | 87.5%          | 94.8%            |
| SAU800511     | PSY104838       | 49%      | 86.5%          | 93.7%            |
| SAU800511     | SPA101087       | 51%      | 55.7%          | 99.5%            |
| SAU800511     | STY101480       | 48%      | 85.8%          | 91.6%            |
| SAU800511     | SAU800511       | 100%     | 100%           | 100%             |
| SAU800511     | SEP201844       | 88%      | 100%           | 99.9%            |
| SAU800511     | SHA100531       | 83%      | 99.9%          | 99.4%            |
| SAU800511     | SMU101188       | 53%      | 92.0%          | 98.0%            |
| SAU800511     | SPN400012       | 54%      | 89.4%          | 98.0%            |
| SAU800511     | SPY200011       | 53%      | 91.4%          | 97.1%            |
| SAU800511     | TPA100757       | 50%      | 72.6%          | 82.9%            |
| SAU800511     | UUR100104       | 42%      | 89.4%          | 80.7%            |
| SAU800511     | VCH100625       | 45%      | 96.0%          | 100%             |
| SAU800511     | YPS002118       | 47%      | 89.1%          | 95.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800512     | ABA104674       | 25%      | 82.3%          | 82.1%            |
| SAU800512     | BAN105387       | 47%      | 95.6%          | 100%             |
| SAU800512     | BAN111644       | 59%      | 98.6%          | 99.3%            |
| SAU800512     | BPT101679       | 22%      | 94.5%          | 91.4%            |
| SAU800512     | BCE104415       | 27%      | 28.3%          | 20.1%            |
| SAU800512     | BFU102353       | 24%      | 94.5%          | 91.1%            |
| SAU800512     | BMA102197       | 25%      | 94.5%          | 91.1%            |
| SAU800512     | CAC102483       | 38%      | 98.6%          | 98.0%            |
| SAU800512     | CBO100978       | 40%      | 98.3%          | 97.6%            |
| SAU800512     | CDF103810       | 45%      | 98.6%          | 99.3%            |
| SAU800512     | EBC103852       | 25%      | 96.6%          | 91.8%            |
| SAU800512     | EFA201930       | 58%      | 96.2%          | 94.6%            |
| SAU800512     | ECO103324       | 24%      | 96.6%          | 93.2%            |
| SAU800512     | HIN100790       | 21%      | 97.6%          | 94.9%            |
| SAU800512     | KPN306988       | 23%      | 96.6%          | 93.2%            |
| SAU800512     | LPN100616       | 22%      | 93.2%          | 93.2%            |
| SAU800512     | LMO102519       | 61%      | 98.0%          | 98.3%            |
| SAU800512     | MCA101414       | 24%      | 96.2%          | 92.3%            |
| SAU800512     | MAV105907       | 31%      | 16.7%          | 8.6%             |
| SAU800512     | NGO100527       | 24%      | 90.1%          | 84.4%            |
| SAU800512     | NME200412       | 23%      | 90.1%          | 77.7%            |
| SAU800512     | PMU101547       | 22%      | 95.6%          | 94.4%            |
| SAU800512     | PRT102606       | 21%      | 96.6%          | 94.9%            |
| SAU800512     | PAE205188       | 21%      | 97.3%          | 94.3%            |
| SAU800512     | PPU109985       | 20%      | 96.2%          | 92.0%            |
| SAU800512     | PSY103060       | 21%      | 94.5%          | 82.6%            |
| SAU800512     | SPA102217       | 24%      | 96.6%          | 93.2%            |
| SAU800512     | STY101381       | 24%      | 96.6%          | 93.8%            |
| SAU800512     | STM102899       | 24%      | 96.6%          | 93.2%            |
| SAU800512     | SAU800512       | 100%     | 100%           | 100%             |
| SAU800512     | SEP201845       | 86%      | 99.7%          | 99.7%            |
| SAU800512     | SHA100697       | 88%      | 99.7%          | 99.3%            |
| SAU800512     | SMU101402       | 40%      | 99.0%          | 99.7%            |
| SAU800512     | SPN401990       | 40%      | 97.6%          | 98.3%            |
| SAU800512     | SPY200090       | 39%      | 99.0%          | 99.7%            |
| SAU800512     | VCH102697       | 20%      | 97.3%          | 91.9%            |
| SAU800512     | YPS001563       | 22%      | 97.6%          | 94.9%            |
| SAU800513     | ABA104099       | 48%      | 97.7%          | 94.3%            |
| SAU800513     | BAN102869       | 49%      | 97.4%          | 98.4%            |
| SAU800513     | BAN106294       | 66%      | 97.4%          | 96.2%            |
| SAU800513     | BFR10188        | 52%      | 98.7%          | 97.8%            |
| SAU800513     | BFR101983       | 59%      | 99.0%          | 98.4%            |
| SAU800513     | BPT100209       | 37%      | 99.0%          | 100%             |
| SAU800513     | BCE108109       | 41%      | 98.7%          | 83.7%            |
| SAU800513     | BFU116313       | 48%      | 97.1%          | 96.5%            |
| SAU800513     | BMA101335       | 40%      | 98.7%          | 99.3%            |
| SAU800513     | CJU100842       | 44%      | 97.1%          | 98.7%            |
| SAU800513     | CAC102941       | 55%      | 96.5%          | 97.7%            |
| SAU800513     | CBO100211       | 57%      | 98.1%          | 99.4%            |
| SAU800513     | CDF104166       | 47%      | 96.8%          | 99.0%            |
| SAU800513     | CDP101484       | 52%      | 99.0%          | 98.4%            |
| SAU800513     | EBC101639       | 52%      | 95.2%          | 93.5%            |
| SAU800513     | EFA201835       | 60%      | 100%           | 100%             |
| SAU800513     | ECO102365       | 52%      | 95.2%          | 93.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800513     | HIN101077       | 50%      | 94.8%          | 95.3%            |
| SAU800513     | KPN300766       | 54%      | 82.3%          | 96.4%            |
| SAU800513     | LPN100024       | 44%      | 95.2%          | 94.3%            |
| SAU800513     | LMO100284       | 67%      | 98.1%          | 98.7%            |
| SAU800513     | MCA100983       | 57%      | 96.8%          | 97.1%            |
| SAU800513     | MAV104131       | 58%      | 97.1%          | 97.4%            |
| SAU800513     | MBV103669       | 58%      | 97.1%          | 97.4%            |
| SAU800513     | MLP100505       | 56%      | 97.1%          | 97.4%            |
| SAU800513     | MTU202300       | 58%      | 97.1%          | 97.4%            |
| SAU800513     | NGO100032       | 58%      | 62.9%          | 99.5%            |
| SAU800513     | NME200897       | 60%      | 98.1%          | 98.7%            |
| SAU800513     | PMU101693       | 49%      | 94.8%          | 95.2%            |
| SAU800513     | PRT102264       | 53%      | 98.1%          | 97.8%            |
| SAU800513     | PAB202707       | 53%      | 95.5%          | 93.8%            |
| SAU800513     | PPU106282       | 52%      | 95.2%          | 93.5%            |
| SAU800513     | PSY105521       | 52%      | 95.2%          | 93.5%            |
| SAU800513     | SPA101199       | 48%      | 95.2%          | 93.4%            |
| SAU800513     | STY101194       | 52%      | 95.2%          | 93.5%            |
| SAU800513     | STM101233       | 52%      | 95.2%          | 93.5%            |
| SAU800513     | SAU800513       | 100%     | 100%           | 100%             |
| SAU800513     | SEP201846       | 94%      | 100%           | 100%             |
| SAU800513     | SHA100698       | 93%      | 100%           | 100%             |
| SAU800513     | SMU101545       | 60%      | 98.7%          | 99.4%            |
| SAU800513     | SPN402012       | 63%      | 96.8%          | 98.0%            |
| SAU800513     | SPY201246       | 63%      | 96.1%          | 95.2%            |
| SAU800513     | VCH100952       | 54%      | 95.2%          | 93.5%            |
| SAU800513     | YPS000618       | 53%      | 95.2%          | 93.5%            |
| SAU800514     | ABA103059       | 36%      | 91.4%          | 88.0%            |
| SAU800514     | BAN106505       | 43%      | 83.9%          | 85.2%            |
| SAU800514     | BAN104389       | 46%      | 94.4%          | 84.5%            |
| SAU800514     | BFR100332       | 36%      | 94.8%          | 90.6%            |
| SAU800514     | BPT101025       | 37%      | 89.1%          | 86.4%            |
| SAU800514     | BCE103917       | 42%      | 63.3%          | 75.5%            |
| SAU800514     | BFU113769       | 35%      | 94.0%          | 94.1%            |
| SAU800514     | BMA100868       | 36%      | 89.1%          | 84.1%            |
| SAU800514     | CJU100546       | 28%      | 75.3%          | 54.7%            |
| SAU800514     | CPN201095       | 27%      | 91.8%          | 57.1%            |
| SAU800514     | CTR200892       | 28%      | 92.1%          | 57.8%            |
| SAU800514     | CAC102945       | 44%      | 92.1%          | 91.4%            |
| SAU800514     | CBO101085       | 38%      | 95.1%          | 65.8%            |
| SAU800514     | CDF102713       | 48%      | 94.4%          | 94.4%            |
| SAU800514     | CDP100658       | 39%      | 91.4%          | 92.1%            |
| SAU800514     | EBC102675       | 36%      | 97.0%          | 88.3%            |
| SAU800514     | EFA200779       | 38%      | 89.9%          | 90.9%            |
| SAU800514     | ECO103107       | 38%      | 97.0%          | 89.2%            |
| SAU800514     | HIN101432       | 36%      | 92.5%          | 91.6%            |
| SAU800514     | HIN101302       | 36%      | 92.5%          | 91.6%            |
| SAU800514     | HPY101215       | 25%      | 95.9%          | 68.7%            |
| SAU800514     | KPN300883       | 38%      | 89.5%          | 86.5%            |
| SAU800514     | LPN102090       | 36%      | 89.1%          | 92.4%            |
| SAU800514     | LMO102383       | 48%      | 93.3%          | 91.9%            |
| SAU800514     | MCA100464       | 35%      | 92.5%          | 89.6%            |
| SAU800514     | MAV103185       | 35%      | 89.1%          | 85.2%            |
| SAU800514     | MBV102396       | 38%      | 93.6%          | 93.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800514     | MLP100156       | 37%      | 94.0%          | 92.6%            |
| SAU800514     | MTU203556       | 38%      | 93.6%          | 93.6%            |
| SAU800514     | NGO100556       | 39%      | 94.0%          | 91.9%            |
| SAU800514     | NME201799       | 38%      | 97.0%          | 94.7%            |
| SAU800514     | PMU100439       | 38%      | 94.0%          | 93.1%            |
| SAU800514     | PRT100620       | 38%      | 91.4%          | 90.2%            |
| SAU800514     | PAE204746       | 38%      | 91.0%          | 87.6%            |
| SAU800514     | PPU105044       | 38%      | 91.0%          | 87.6%            |
| SAU800514     | PSY106101       | 38%      | 94.8%          | 91.2%            |
| SAU800514     | SPA100514       | 33%      | 91.4%          | 88.9%            |
| SAU800514     | STY101479       | 38%      | 91.4%          | 88.3%            |
| SAU800514     | SAU800514       | 100%     | 100%           | 100%             |
| SAU800514     | SEP201847       | 75%      | 100%           | 100%             |
| SAU800514     | SHA100699       | 71%      | 97.0%          | 99.2%            |
| SAU800514     | SMU100992       | 47%      | 93.3%          | 94.0%            |
| SAU800514     | SPN400266       | 37%      | 97.0%          | 95.2%            |
| SAU800514     | SPY200831       | 49%      | 90.3%          | 91.0%            |
| SAU800514     | VCH100626       | 36%      | 95.1%          | 93.5%            |
| SAU800514     | YPS001057       | 37%      | 91.4%          | 89.9%            |
| SAU800517     | ABA102635       | 51%      | 99.0%          | 94.4%            |
| SAU800517     | BAN101985       | 52%      | 97.4%          | 100%             |
| SAU800517     | BAN113496       | 76%      | 99.6%          | 98.4%            |
| SAU800517     | BFR102757       | 46%      | 99.0%          | 86.1%            |
| SAU800517     | BPT101799       | 50%      | 99.8%          | 98.0%            |
| SAU800517     | BCE109946       | 50%      | 100%           | 97.8%            |
| SAU800517     | BFU108644       | 49%      | 99.4%          | 95.0%            |
| SAU800517     | BMA108408       | 51%      | 100%           | 97.8%            |
| SAU800517     | CJU100369       | 47%      | 97.4%          | 96.2%            |
| SAU800517     | CPN200915       | 40%      | 98.8%          | 97.0%            |
| SAU800517     | CTR200158       | 40%      | 98.8%          | 97.5%            |
| SAU800517     | CAC101713       | 54%      | 99.0%          | 94.2%            |
| SAU800517     | CBO101347       | 55%      | 99.2%          | 96.4%            |
| SAU800517     | CDF101016       | 55%      | 99.6%          | 95.3%            |
| SAU800517     | CDP100639       | 38%      | 99.4%          | 98.3%            |
| SAU800517     | EBC102996       | 51%      | 99.0%          | 96.8%            |
| SAU800517     | EFA201926       | 68%      | 99.2%          | 98.2%            |
| SAU800517     | EFM102056       | 57%      | 23.6%          | 98.3%            |
| SAU800517     | ECO104023       | 53%      | 99.0%          | 96.8%            |
| SAU800517     | HIN101184       | 54%      | 99.4%          | 98.2%            |
| SAU800517     | HPY100179       | 46%      | 98.6%          | 97.0%            |
| SAU800517     | KPN303317       | 51%      | 99.0%          | 96.8%            |
| SAU800517     | KPN302939       | 52%      | 99.0%          | 96.8%            |
| SAU800517     | LPN100325       | 52%      | 97.8%          | 97.0%            |
| SAU800517     | LMO102242       | 66%      | 99.6%          | 98.6%            |
| SAU800517     | MCA100679       | 50%      | 99.0%          | 96.8%            |
| SAU800517     | MAV100921       | 40%      | 99.0%          | 98.0%            |
| SAU800517     | MBV102374       | 40%      | 89.1%          | 92.9%            |
| SAU800517     | MLP100165       | 39%      | 98.4%          | 96.6%            |
| SAU800517     | MTU203546       | 38%      | 99.4%          | 98.0%            |
| SAU800517     | MGE100138       | 45%      | 99.8%          | 99.6%            |
| SAU800517     | MPN100558       | 46%      | 99.8%          | 99.6%            |
| SAU800517     | NGO101519       | 51%      | 98.6%          | 96.6%            |
| SAU800517     | NME201498       | 51%      | 98.6%          | 96.6%            |
| SAU800517     | PMU100189       | 53%      | 99.4%          | 98.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800517     | PRT100474       | 53%      | 99.0%          | 96.3%            |
| SAU800517     | PAE203698       | 50%      | 99.6%          | 97.4%            |
| SAU800517     | PPU107895       | 50%      | 99.6%          | 97.4%            |
| SAU800517     | PSY104934       | 51%      | 99.6%          | 97.4%            |
| SAU800517     | SPA102976       | 52%      | 99.0%          | 96.8%            |
| SAU800517     | STY104136       | 52%      | 99.0%          | 96.8%            |
| SAU800517     | STM103496       | 30%      | 64.2%          | 95.1%            |
| SAU800517     | SAU800517       | 100%     | 100%           | 100%             |
| SAU800517     | SEP201850       | 89%      | 100%           | 100%             |
| SAU800517     | SHA100105       | 93%      | 45.9%          | 100%             |
| SAU800517     | SMU100072       | 62%      | 99.4%          | 98.2%            |
| SAU800517     | SPN400626       | 62%      | 99.2%          | 98.8%            |
| SAU800517     | SPY200429       | 62%      | 99.2%          | 98.6%            |
| SAU800517     | UUR100060       | 53%      | 100%           | 99.6%            |
| SAU800517     | VCH100651       | 49%      | 99.6%          | 96.5%            |
| SAU800517     | YPS000160       | 52%      | 99.4%          | 97.2%            |
| SAU800519     | ABA100756       | 26%      | 50.5%          | 67.8%            |
| SAU800519     | BAN109871       | 71%      | 98.3%          | 99.7%            |
| SAU800519     | BAN107508       | 77%      | 100%           | 100%             |
| SAU800519     | BFR11308        | 34%      | 28.8%          | 29.5%            |
| SAU800519     | BPT100814       | 28%      | 7.5%           | 47.8%            |
| SAU800519     | BFU102894       | 25%      | 73.9%          | 64.9%            |
| SAU800519     | BMA102637       | 28%      | 36.6%          | 36.1%            |
| SAU800519     | CAC102051       | 62%      | 98.6%          | 100%             |
| SAU800519     | CBO101315       | 65%      | 96.9%          | 100%             |
| SAU800519     | CDP101490       | 60%      | 97.3%          | 95.7%            |
| SAU800519     | EBC103909       | 31%      | 30.5%          | 29.0%            |
| SAU800519     | EFM200941       | 37%      | 19.0%          | 14.2%            |
| SAU800519     | ECO103889       | 39%      | 19.0%          | 19.2%            |
| SAU800519     | HIN101613       | 60%      | 96.6%          | 97.3%            |
| SAU800519     | KPN306802       | 36%      | 20.3%          | 22.7%            |
| SAU800519     | LMO102728       | 79%      | 100%           | 100%             |
| SAU800519     | MCA100752       | 34%      | 29.2%          | 34.2%            |
| SAU800519     | MAV101844       | 61%      | 98.3%          | 95.7%            |
| SAU800519     | MBV100793       | 60%      | 98.3%          | 94.8%            |
| SAU800519     | MLP100276       | 60%      | 98.3%          | 94.5%            |
| SAU800519     | MTU202569       | 60%      | 98.3%          | 97.0%            |
| SAU800519     | NGO100999       | 37%      | 20%            | 19.8%            |
| SAU800519     | NME200335       | 37%      | 20%            | 19.8%            |
| SAU800519     | PMU101232       | 82%      | 100%           | 100%             |
| SAU800519     | PRT104614       | 31%      | 27.8%          | 28.2%            |
| SAU800519     | PAE200380       | 26%      | 51.9%          | 68.3%            |
| SAU800519     | SPA101833       | 41%      | 18.6%          | 20.3%            |
| SAU800519     | STY103157       | 41%      | 18.6%          | 20.3%            |
| SAU800519     | STM101623       | 41%      | 18.6%          | 20.3%            |
| SAU800519     | SAU800519       | 100%     | 100%           | 100%             |
| SAU800519     | SEP201862       | 97%      | 100%           | 100%             |
| SAU800519     | SHA101015       | 95%      | 100%           | 100%             |
| SAU800519     | SPN401321       | 60%      | 96.6%          | 95.3%            |
| SAU800519     | VCH100065       | 35%      | 33.9%          | 37.5%            |
| SAU800519     | YPS000466       | 32%      | 25.8%          | 22.2%            |
| SAU800520     | BAN104549       | 56%      | 97.8%          | 91.6%            |
| SAU800520     | BAN104960       | 56%      | 100%           | 96.4%            |
| SAU800520     | CAC102975       | 41%      | 96.2%          | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800520     | CDP101491       | 41%      | 93.5%          | 95.7%            |
| SAU800520     | EFM201119       | 23%      | 78.5%          | 75.7%            |
| SAU800520     | HIN101614       | 44%      | 87.1%          | 96.6%            |
| SAU800520     | LMO100481       | 44%      | 97.8%          | 98.9%            |
| SAU800520     | MAV101842       | 42%      | 96.2%          | 94.9%            |
| SAU800520     | MBV100772       | 41%      | 99.5%          | 98.0%            |
| SAU800520     | MLP100291       | 40%      | 96.2%          | 84.3%            |
| SAU800520     | MTU202567       | 41%      | 99.5%          | 98.0%            |
| SAU800520     | PMU101233       | 50%      | 96.2%          | 95.3%            |
| SAU800520     | SAU800520       | 100%     | 100%           | 100%             |
| SAU800520     | SEP201863       | 80%      | 98.9%          | 98.9%            |
| SAU800520     | SHA101014       | 84%      | 98.9%          | 100%             |
| SAU800520     | SPN401320       | 46%      | 100%           | 100%             |
| SAU800523     | ABA103208       | 24%      | 38.8%          | 50%              |
| SAU800523     | BAN106494       | 32%      | 94.7%          | 94.5%            |
| SAU800523     | CPN200044       | 24%      | 95.2%          | 92.4%            |
| SAU800523     | CTR200047       | 29%      | 41.5%          | 49.2%            |
| SAU800523     | CAC101982       | 31%      | 94.7%          | 96%              |
| SAU800523     | CBO101445       | 30%      | 96.8%          | 98.3%            |
| SAU800523     | CDF100266       | 30%      | 94.7%          | 97.6%            |
| SAU800523     | LMO102833       | 29%      | 96.8%          | 98.8%            |
| SAU800523     | PAE203102       | 32%      | 34.6%          | 26.8%            |
| SAU800523     | SAU800523       | 100%     | 100%           | 100%             |
| SAU800523     | SEP201867       | 71%      | 99.5%          | 100%             |
| SAU800523     | SHA101374       | 73%      | 99.5%          | 100%             |
| SAU800524     | BAN106857       | 36%      | 93.7%          | 95.1%            |
| SAU800524     | BAN112005       | 41%      | 98.8%          | 97.2%            |
| SAU800524     | CPN100682       | 24%      | 77.3%          | 75.1%            |
| SAU800524     | CTR200046       | 26%      | 60%            | 56.2%            |
| SAU800524     | CAC101065       | 39%      | 97.6%          | 100%             |
| SAU800524     | CBO102797       | 36%      | 97.0%          | 95.8%            |
| SAU800524     | CDF100265       | 40%      | 96.4%          | 96.8%            |
| SAU800524     | LMO100281       | 43%      | 96.7%          | 96.5%            |
| SAU800524     | SAU800524       | 100%     | 100%           | 100%             |
| SAU800524     | SEP201868       | 79%      | 100%           | 98.2%            |
| SAU800524     | SHA101375       | 77%      | 98.5%          | 98.8%            |
| SAU800525     | BAN109395       | 58%      | 93.2%          | 95.6%            |
| SAU800525     | BAN104033       | 69%      | 98.8%          | 99.8%            |
| SAU800525     | BFR102278       | 46%      | 99.0%          | 99.4%            |
| SAU800525     | BBU100833       | 31%      | 95.1%          | 98.0%            |
| SAU800525     | BFU102993       | 46%      | 96.7%          | 83.5%            |
| SAU800525     | CPN200311       | 49%      | 99.6%          | 99.4%            |
| SAU800525     | CTR200551       | 50%      | 95.5%          | 92.9%            |
| SAU800525     | CAC101654       | 59%      | 97.4%          | 98.8%            |
| SAU800525     | CBO101582       | 59%      | 97.2%          | 98.3%            |
| SAU800525     | CDF100283       | 57%      | 96.8%          | 98.3%            |
| SAU800525     | CDP100633       | 55%      | 99.5%          | 95.6%            |
| SAU800525     | EFA200763       | 57%      | 22.1%          | 12.3%            |
| SAU800525     | EFM201642       | 56%      | 16.7%          | 7.6%             |
| SAU800525     | KPN202650       | 48%      | 97.6%          | 96.4%            |
| SAU800525     | LMO101646       | 70%      | 97.7%          | 97.4%            |
| SAU800525     | MAV100919       | 57%      | 97.3%          | 95.5%            |
| SAU800525     | MBV102380       | 58%      | 97.3%          | 94.9%            |
| SAU800525     | MLP100167       | 57%      | 97.3%          | 94.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800525     | MTU203544       | 58%      | 97.3%          | 94.9%            |
| SAU800525     | PAE200458       | 49%      | 97.1%          | 93.1%            |
| SAU800525     | PPU111611       | 48%      | 97.6%          | 86.0%            |
| SAU800525     | SAU800525       | 100%     | 100%           | 100%             |
| SAU800525     | SEP201869       | 93%      | 99.5%          | 99.6%            |
| SAU800525     | SHA101376       | 93%      | 99.0%          | 98.3%            |
| SAU800525     | SMU100618       | 44%      | 97.4%          | 99.1%            |
| SAU800525     | SPN401997       | 46%      | 88.8%          | 96.2%            |
| SAU800525     | SPY201584       | 42%      | 97.6%          | 99.3%            |
| SAU800526     | ABA102159       | 49%      | 99.6%          | 98.5%            |
| SAU800526     | BAN111588       | 53%      | 93.8%          | 98.6%            |
| SAU800526     | BAN107627       | 63%      | 99.6%          | 99.6%            |
| SAU800526     | BFR12344        | 50%      | 94.1%          | 98.6%            |
| SAU800526     | BPT100212       | 51%      | 98.7%          | 99.1%            |
| SAU800526     | BCE105510       | 49%      | 98.7%          | 98.5%            |
| SAU800526     | BFU116174       | 50%      | 97.4%          | 98.5%            |
| SAU800526     | BMA108374       | 50%      | 98.7%          | 98.5%            |
| SAU800526     | CJU101130       | 48%      | 93.2%          | 94.6%            |
| SAU800526     | CPN200710       | 47%      | 99.1%          | 99.3%            |
| SAU800526     | CTR200563       | 49%      | 98.2%          | 90.5%            |
| SAU800526     | CAC101532       | 49%      | 98.9%          | 99.3%            |
| SAU800526     | CBO101852       | 47%      | 98.9%          | 99.3%            |
| SAU800526     | CDF100282       | 50%      | 99.6%          | 99.1%            |
| SAU800526     | CDP100623       | 42%      | 99.6%          | 99.8%            |
| SAU800526     | EBC103585       | 45%      | 98.0%          | 97.8%            |
| SAU800526     | EFA200202       | 58%      | 98.7%          | 98.9%            |
| SAU800526     | EFM201370       | 58%      | 98.7%          | 97.0%            |
| SAU800526     | ECO104275       | 46%      | 98.9%          | 98.9%            |
| SAU800526     | HIN101564       | 44%      | 98.9%          | 95.4%            |
| SAU800526     | HPY100219       | 47%      | 93.4%          | 93.2%            |
| SAU800526     | KPN302185       | 45%      | 98.0%          | 98.5%            |
| SAU800526     | LPN100655       | 48%      | 93.4%          | 94.4%            |
| SAU800526     | LMO100194       | 64%      | 99.3%          | 98.9%            |
| SAU800526     | MCA100542       | 47%      | 98.7%          | 98.1%            |
| SAU800526     | MAV102717       | 41%      | 94.7%          | 93.9%            |
| SAU800526     | MBV100379       | 39%      | 94.7%          | 93.5%            |
| SAU800526     | MTU203533       | 39%      | 99.1%          | 93.8%            |
| SAU800526     | NGO100123       | 49%      | 100%           | 99.6%            |
| SAU800526     | NME200915       | 49%      | 100%           | 99.6%            |
| SAU800526     | PMU100252       | 45%      | 93.8%          | 94.1%            |
| SAU800526     | PRT105275       | 44%      | 98.9%          | 98.3%            |
| SAU800526     | PAE204607       | 49%      | 98.7%          | 98.9%            |
| SAU800526     | PPU108525       | 49%      | 98.7%          | 98.9%            |
| SAU800526     | PSY105300       | 52%      | 86.8%          | 93.8%            |
| SAU800526     | SPA101143       | 45%      | 98.0%          | 98.5%            |
| SAU800526     | STY104615       | 46%      | 98.9%          | 98.9%            |
| SAU800526     | STM100383       | 45%      | 98.0%          | 97.8%            |
| SAU800526     | SAU800526       | 100%     | 100%           | 100%             |
| SAU800526     | SEP201870       | 92%      | 100%           | 99.3%            |
| SAU800526     | SHA101377       | 91%      | 100%           | 100%             |
| SAU800526     | SMU100655       | 61%      | 98.7%          | 96.1%            |
| SAU800526     | SPN400025       | 62%      | 91.6%          | 98.8%            |
| SAU800526     | SPY200171       | 59%      | 98.9%          | 99.1%            |
| SAU800526     | TPA101012       | 40%      | 99.3%          | 99.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800526     | VCH102308       | 44%      | 98.9%          | 98.7%            |
| SAU800526     | YPS000124       | 44%      | 98.9%          | 98.9%            |
| SAU800528     | ABA100922       | 33%      | 98.8%          | 96.1%            |
| SAU800528     | BAN110804       | 57%      | 99.6%          | 98.8%            |
| SAU800528     | BAN108869       | 68%      | 99.6%          | 99.4%            |
| SAU800528     | BFR102616       | 34%      | 95.0%          | 98.6%            |
| SAU800528     | BPT102905       | 38%      | 98.6%          | 92.9%            |
| SAU800528     | BBU100371       | 34%      | 98.3%          | 97.3%            |
| SAU800528     | BCE100150       | 43%      | 59.3%          | 99.3%            |
| SAU800528     | BFU100071       | 38%      | 98.3%          | 100%             |
| SAU800528     | BMA103736       | 39%      | 99.2%          | 98.9%            |
| SAU800528     | CJU101212       | 37%      | 99.8%          | 98.7%            |
| SAU800528     | CPN200187       | 38%      | 98.8%          | 92.7%            |
| SAU800528     | CTR200720       | 37%      | 98.3%          | 92.1%            |
| SAU800528     | CAC101596       | 35%      | 99.2%          | 97.9%            |
| SAU800528     | CBO103047       | 37%      | 99.4%          | 96.9%            |
| SAU800528     | CDF100252       | 43%      | 99.2%          | 98.8%            |
| SAU800528     | CDP100231       | 34%      | 99.4%          | 96.8%            |
| SAU800528     | EBC100212       | 37%      | 99.0%          | 98.7%            |
| SAU800528     | EFA200192       | 64%      | 99.0%          | 98.0%            |
| SAU800528     | EFM202131       | 64%      | 99.0%          | 99.0%            |
| SAU800528     | ECO102355       | 37%      | 99.0%          | 97.2%            |
| SAU800528     | HIN100261       | 36%      | 99.0%          | 95.2%            |
| SAU800528     | HPY100472       | 38%      | 99.0%          | 98.7%            |
| SAU800528     | KPN305021       | 44%      | 42.6%          | 99.5%            |
| SAU800528     | LPN103492       | 39%      | 98.6%          | 96.8%            |
| SAU800528     | LMO101411       | 69%      | 98.6%          | 97.6%            |
| SAU800528     | MCA102322       | 34%      | 98.6%          | 94.9%            |
| SAU800528     | MAV101415       | 33%      | 94.8%          | 97.2%            |
| SAU800528     | MBV101327       | 34%      | 98.6%          | 99.6%            |
| SAU800528     | MLP101032       | 34%      | 98.6%          | 95.4%            |
| SAU800528     | MTU202954       | 34%      | 99.2%          | 97.6%            |
| SAU800528     | MGE100471       | 41%      | 99.4%          | 98.3%            |
| SAU800528     | MPN100164       | 41%      | 99.4%          | 98.3%            |
| SAU800528     | NGO100018       | 36%      | 98.6%          | 99.4%            |
| SAU800528     | NME200234       | 36%      | 98.6%          | 99.4%            |
| SAU800528     | PMU101115       | 36%      | 99.0%          | 95.2%            |
| SAU800528     | PRT100735       | 37%      | 99.0%          | 97.0%            |
| SAU800528     | PAE203132       | 35%      | 98.8%          | 94.3%            |
| SAU800528     | PPU101878       | 34%      | 98.8%          | 94.5%            |
| SAU800528     | PSY105734       | 35%      | 98.8%          | 94.5%            |
| SAU800528     | SPA103535       | 34%      | 93.8%          | 91.9%            |
| SAU800528     | STY101161       | 38%      | 93.8%          | 91.4%            |
| SAU800528     | STM101572       | 26%      | 25.4%          | 20.7%            |
| SAU800528     | SAU800528       | 100%     | 100%           | 100%             |
| SAU800528     | SEP201872       | 89%      | 99.4%          | 99.4%            |
| SAU800528     | SHA101478       | 89%      | 95.9%          | 99.8%            |
| SAU800528     | SMU100660       | 58%      | 99.4%          | 98.6%            |
| SAU800528     | SPN401878       | 58%      | 99.4%          | 98.4%            |
| SAU800528     | SPY200174       | 58%      | 99.4%          | 99.4%            |
| SAU800528     | TPA100665       | 33%      | 98.6%          | 96.5%            |
| SAU800528     | UUR100606       | 42%      | 98.6%          | 98.1%            |
| SAU800528     | VCH102180       | 39%      | 98.6%          | 90.2%            |
| SAU800528     | YPS000590       | 38%      | 98.6%          | 96.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800529     | ABA101415       | 56%      | 80.3%          | 72.2%            |
| SAU800529     | BAN102387       | 62%      | 91.1%          | 89.8%            |
| SAU800529     | BAN101066       | 67%      | 95.3%          | 91.9%            |
| SAU800529     | BFR100721       | 40%      | 72.3%          | 54.5%            |
| SAU800529     | BPT102142       | 46%      | 71.8%          | 51.1%            |
| SAU800529     | BCE108070       | 56%      | 78.9%          | 63.3%            |
| SAU800529     | BFU100954       | 55%      | 78.9%          | 60.1%            |
| SAU800529     | BMA108518       | 53%      | 78.9%          | 64.8%            |
| SAU800529     | CJU100702       | 49%      | 77.9%          | 78.8%            |
| SAU800529     | CAC100612       | 61%      | 78.9%          | 90.3%            |
| SAU800529     | CBO103931       | 62%      | 77.0%          | 81.6%            |
| SAU800529     | CDF101107       | 60%      | 79.3%          | 84.9%            |
| SAU800529     | CDP101486       | 54%      | 77.0%          | 80.8%            |
| SAU800529     | EBC103197       | 45%      | 75.6%          | 59.0%            |
| SAU800529     | EFA200191       | 46%      | 82.6%          | 98.3%            |
| SAU800529     | EFM200794       | 50%      | 76.5%          | 91.6%            |
| SAU800529     | ECO103529       | 45%      | 75.6%          | 59.0%            |
| SAU800529     | HIN100586       | 49%      | 77.0%          | 61.4%            |
| SAU800529     | HPY101193       | 57%      | 76.5%          | 95.3%            |
| SAU800529     | KPN303402       | 45%      | 75.6%          | 59.0%            |
| SAU800529     | LPN102556       | 29%      | 64.3%          | 58.3%            |
| SAU800529     | LMO102911       | 49%      | 94.4%          | 97.1%            |
| SAU800529     | MCA101510       | 56%      | 76.1%          | 60.8%            |
| SAU800529     | MAV104132       | 47%      | 97.2%          | 93.0%            |
| SAU800529     | MBV101558       | 55%      | 87.3%          | 80.8%            |
| SAU800529     | MLP100504       | 50%      | 94.4%          | 87.2%            |
| SAU800529     | MTU202301       | 55%      | 87.3%          | 80.8%            |
| SAU800529     | NGO101445       | 46%      | 76.1%          | 59.6%            |
| SAU800529     | NME200684       | 46%      | 76.1%          | 59.6%            |
| SAU800529     | PMU101430       | 47%      | 77.0%          | 62.1%            |
| SAU800529     | PRT100957       | 44%      | 78.9%          | 61.5%            |
| SAU800529     | PAE203813       | 50%      | 93.9%          | 82.6%            |
| SAU800529     | PPU104027       | 54%      | 78.9%          | 64.4%            |
| SAU800529     | PSY103766       | 54%      | 78.9%          | 65.1%            |
| SAU800529     | SPA102939       | 45%      | 77.5%          | 60.4%            |
| SAU800529     | STY100363       | 45%      | 77.5%          | 60.4%            |
| SAU800529     | SAU800529       | 100%     | 100%           | 100%             |
| SAU800529     | SEP201873       | 91%      | 100%           | 100%             |
| SAU800529     | SHA101479       | 88%      | 100%           | 100%             |
| SAU800529     | SMU101331       | 47%      | 78.4%          | 81.5%            |
| SAU800529     | SPN400517       | 51%      | 78.4%          | 81.5%            |
| SAU800529     | SPY201496       | 46%      | 91.5%          | 94.3%            |
| SAU800529     | VCH102612       | 45%      | 75.6%          | 59.0%            |
| SAU800529     | YPS001567       | 46%      | 75.6%          | 59.0%            |
| SAU800530     | ABA100096       | 41%      | 75.2%          | 98.5%            |
| SAU800530     | BAN107039       | 51%      | 76.5%          | 99.6%            |
| SAU800530     | BAN103770       | 62%      | 76.5%          | 99.6%            |
| SAU800530     | BFR10199        | 38%      | 76.2%          | 98.6%            |
| SAU800530     | BPT101394       | 40%      | 75.8%          | 98.8%            |
| SAU800530     | BBU100598       | 31%      | 76.6%          | 99.8%            |
| SAU800530     | BCE112863       | 42%      | 75.5%          | 92.7%            |
| SAU800530     | BFU100950       | 41%      | 75.7%          | 98.1%            |
| SAU800530     | BMA109903       | 41%      | 75.5%          | 97.8%            |
| SAU800530     | CJU100741       | 35%      | 76.0%          | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800530     | CPN200914       | 38%      | 75.7%          | 97.3%            |
| SAU800530     | CTR200159       | 38%      | 76.0%          | 98.9%            |
| SAU800530     | CAC101178       | 49%      | 75.8%          | 98.7%            |
| SAU800530     | CBO101748       | 50%      | 76.0%          | 99.4%            |
| SAU800530     | CDF102964       | 50%      | 97.7%          | 100%             |
| SAU800530     | CDP100610       | 37%      | 75.5%          | 98.1%            |
| SAU800530     | EBC103357       | 43%      | 76.5%          | 99.8%            |
| SAU800530     | EFA200190       | 57%      | 77.1%          | 99.2%            |
| SAU800530     | EFM201665       | 58%      | 76.5%          | 99.6%            |
| SAU800530     | ECO100517       | 43%      | 76.5%          | 99.8%            |
| SAU800530     | HIN100077       | 41%      | 76.5%          | 99.8%            |
| SAU800530     | HPY100872       | 38%      | 76.0%          | 99.1%            |
| SAU800530     | KPN303880       | 49%      | 19.2%          | 100%             |
| SAU800530     | LPN102830       | 44%      | 76.5%          | 99.3%            |
| SAU800530     | LMO101610       | 59%      | 76.5%          | 99.6%            |
| SAU800530     | MCA100755       | 40%      | 76.3%          | 97.7%            |
| SAU800530     | MAV102725       | 35%      | 76.5%          | 97.9%            |
| SAU800530     | MBV100384       | 35%      | 75.5%          | 79.9%            |
| SAU800530     | MLP100222       | 34%      | 76.2%          | 96.4%            |
| SAU800530     | MTU203528       | 35%      | 75.5%          | 96.4%            |
| SAU800530     | MGE100257       | 34%      | 69.9%          | 94.6%            |
| SAU800530     | MPN100480       | 33%      | 74.2%          | 98.2%            |
| SAU800530     | NGO100962       | 42%      | 76.6%          | 100%             |
| SAU800530     | NME200324       | 42%      | 76.6%          | 67.7%            |
| SAU800530     | PMU100945       | 43%      | 76.5%          | 99.8%            |
| SAU800530     | PRT104466       | 44%      | 76.5%          | 99.6%            |
| SAU800530     | PAE201794       | 44%      | 76.3%          | 99.3%            |
| SAU800530     | PPU110625       | 44%      | 75.2%          | 97.8%            |
| SAU800530     | PSY100232       | 42%      | 72.7%          | 99.8%            |
| SAU800530     | SPA100734       | 43%      | 75.5%          | 98.9%            |
| SAU800530     | STY101290       | 44%      | 76.5%          | 99.8%            |
| SAU800530     | STM100673       | 44%      | 76.5%          | 99.8%            |
| SAU800530     | SAU800530       | 100%     | 100%           | 100%             |
| SAU800530     | SEP201874       | 84%      | 100%           | 100%             |
| SAU800530     | SHA101480       | 88%      | 76.6%          | 100%             |
| SAU800530     | SMU101332       | 51%      | 98.2%          | 100%             |
| SAU800530     | SPN400519       | 51%      | 76.5%          | 99.8%            |
| SAU800530     | SPY201494       | 50%      | 76.5%          | 99.8%            |
| SAU800530     | TPA100090       | 33%      | 76.3%          | 99.4%            |
| SAU800530     | UUR100122       | 37%      | 70.9%          | 95.9%            |
| SAU800530     | VCH101818       | 43%      | 76.5%          | 99.8%            |
| SAU800530     | YPS001481       | 42%      | 76.5%          | 99.8%            |
| SAU800532     | ABA104918       | 25%      | 69.5%          | 20.8%            |
| SAU800532     | BAN106938       | 37%      | 94.8%          | 96.5%            |
| SAU800532     | BAN107328       | 38%      | 94.8%          | 96.5%            |
| SAU800532     | CAC101411       | 36%      | 94.3%          | 97.1%            |
| SAU800532     | CBO102935       | 40%      | 95.4%          | 98.2%            |
| SAU800532     | CDF100246       | 35%      | 86.2%          | 98.7%            |
| SAU800532     | EFA200188       | 39%      | 100%           | 99.4%            |
| SAU800532     | EFM200410       | 37%      | 95.4%          | 94.3%            |
| SAU800532     | LMO102454       | 40%      | 96.6%          | 98.2%            |
| SAU800532     | SAU800532       | 100%     | 100%           | 100%             |
| SAU800532     | SEP201876       | 84%      | 100%           | 99.4%            |
| SAU800532     | SHA101483       | 80%      | 100%           | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800532     | SPY201490       | 37%      | 87.9%          | 89.0%            |
| SAU800534     | ABA105627       | 26%      | 86.7%          | 73.2%            |
| SAU800534     | BAN102018       | 47%      | 91.7%          | 93.2%            |
| SAU800534     | BPT104544       | 36%      | 80%            | 38.9%            |
| SAU800534     | CPN200688       | 33%      | 96.7%          | 79.5%            |
| SAU800534     | CTR200587       | 32%      | 95%            | 70.7%            |
| SAU800534     | CAC103674       | 28%      | 88.3%          | 69.7%            |
| SAU800534     | CBO101188       | 28%      | 88.3%          | 67.9%            |
| SAU800534     | CDF103578       | 36%      | 86.7%          | 71.2%            |
| SAU800534     | CDP100846       | 40%      | 91.7%          | 50.5%            |
| SAU800534     | EFA202706       | 42%      | 70%            | 75%              |
| SAU800534     | HIN100695       | 33%      | 93.3%          | 52.8%            |
| SAU800534     | LMO100602       | 46%      | 96.7%          | 98.3%            |
| SAU800534     | MCA102273       | 27%      | 90%            | 34.4%            |
| SAU800534     | MAV102333       | 32%      | 91.7%          | 37.4%            |
| SAU800534     | MBV103153       | 34%      | 91.7%          | 34.2%            |
| SAU800534     | MLP101156       | 30%      | 91.7%          | 37.7%            |
| SAU800534     | MTU200635       | 34%      | 91.7%          | 34.2%            |
| SAU800534     | NGO103134       | 34%      | 81.7%          | 53.3%            |
| SAU800534     | NME200142       | 35%      | 85%            | 58.7%            |
| SAU800534     | PMU101745       | 33%      | 93.3%          | 41.2%            |
| SAU800534     | PAE204274       | 30%      | 98.3%          | 50.8%            |
| SAU800534     | PPU104465       | 38%      | 78.3%          | 41.0%            |
| SAU800534     | PSY108284       | 34%      | 76.7%          | 40.2%            |
| SAU800534     | SAU800534       | 100%     | 100%           | 100%             |
| SAU800534     | SEP201879       | 90%      | 100%           | 100%             |
| SAU800534     | SHA101486       | 80%      | 91.7%          | 75.3%            |
| SAU800534     | SMU101770       | 26%      | 76.7%          | 79.3%            |
| SAU800534     | SPY201576       | 28%      | 70%            | 72.4%            |
| SAU800534     | UUR100587       | 25%      | 86.7%          | 31.3%            |
| SAU800535     | ABA101112       | 39%      | 95.6%          | 98.3%            |
| SAU800535     | BAN107620       | 66%      | 96.2%          | 98.9%            |
| SAU800535     | BFR10520        | 39%      | 95.6%          | 96.7%            |
| SAU800535     | BPT100046       | 46%      | 96.2%          | 98.9%            |
| SAU800535     | BBU100393       | 34%      | 96.7%          | 99.5%            |
| SAU800535     | BCE106900       | 46%      | 96.2%          | 94.6%            |
| SAU800535     | BFU104521       | 48%      | 96.2%          | 94.6%            |
| SAU800535     | BMA104447       | 45%      | 99.5%          | 97.8%            |
| SAU800535     | CJU100438       | 34%      | 95.6%          | 97.2%            |
| SAU800535     | CPN200687       | 40%      | 95.6%          | 95.1%            |
| SAU800535     | CTR200586       | 41%      | 95.6%          | 95.1%            |
| SAU800535     | CAC102306       | 56%      | 100%           | 99.4%            |
| SAU800535     | CBO103872       | 58%      | 100%           | 99.4%            |
| SAU800535     | CDF104265       | 45%      | 98.4%          | 98.9%            |
| SAU800535     | CDP100848       | 40%      | 95.1%          | 72.2%            |
| SAU800535     | EBC102887       | 41%      | 97.8%          | 98.3%            |
| SAU800535     | EFA200831       | 58%      | 98.4%          | 98.9%            |
| SAU800535     | EFM202000       | 64%      | 90.7%          | 99.4%            |
| SAU800535     | ECO103880       | 40%      | 97.8%          | 98.3%            |
| SAU800535     | HIN100696       | 41%      | 100%           | 99.5%            |
| SAU800535     | HPY101186       | 34%      | 95.1%          | 97.7%            |
| SAU800535     | KPN300526       | 43%      | 49.5%          | 96.8%            |
| SAU800535     | LMO102609       | 69%      | 96.2%          | 98.9%            |
| SAU800535     | MCA100998       | 36%      | 95.6%          | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800535     | MAV102335       | 45%      | 95.1%          | 74.2%            |
| SAU800535     | MBV103155       | 44%      | 95.1%          | 79.8%            |
| SAU800535     | MLP101155       | 44%      | 95.1%          | 83.3%            |
| SAU800535     | MTU200636       | 44%      | 95.1%          | 79.8%            |
| SAU800535     | MGE100054       | 27%      | 53.8%          | 39.6%            |
| SAU800535     | MPN100087       | 26%      | 53.8%          | 39.1%            |
| SAU800535     | NGO101670       | 42%      | 96.7%          | 98.9%            |
| SAU800535     | NME200141       | 42%      | 96.7%          | 98.9%            |
| SAU800535     | PMU101744       | 40%      | 99.5%          | 98.9%            |
| SAU800535     | PRT103295       | 40%      | 95.6%          | 96.1%            |
| SAU800535     | PAE204273       | 41%      | 96.7%          | 99.4%            |
| SAU800535     | PPU108806       | 41%      | 96.7%          | 99.4%            |
| SAU800535     | PSY103335       | 41%      | 96.2%          | 98.9%            |
| SAU800535     | SPA102796       | 41%      | 97.8%          | 98.3%            |
| SAU800535     | STY102686       | 41%      | 97.8%          | 98.3%            |
| SAU800535     | STM102044       | 41%      | 97.8%          | 98.3%            |
| SAU800535     | SAU800535       | 100%     | 100%           | 100%             |
| SAU800535     | SEP201880       | 96%      | 100%           | 100%             |
| SAU800535     | SHA101487       | 96%      | 100%           | 100%             |
| SAU800535     | SMU100495       | 52%      | 96.2%          | 97.2%            |
| SAU800535     | SPN401818       | 50%      | 96.2%          | 94.5%            |
| SAU800535     | SPY200119       | 52%      | 96.2%          | 96.6%            |
| SAU800535     | TPA100233       | 43%      | 96.7%          | 99.5%            |
| SAU800535     | UUR100588       | 25%      | 94.5%          | 86.4%            |
| SAU800535     | VCH100318       | 41%      | 98.4%          | 98.4%            |
| SAU800535     | YPS000502       | 40%      | 97.8%          | 98.3%            |
| SAU800536     | SAU800536       | 100%     | 100%           | 100%             |
| SAU800537     | ABA106058       | 66%      | 100%           | 99.3%            |
| SAU800537     | BAN106044       | 80%      | 80.7%          | 99.1%            |
| SAU800537     | BFR10521        | 60%      | 100%           | 95.2%            |
| SAU800537     | BPT100048       | 62%      | 100%           | 98.6%            |
| SAU800537     | BBU100392       | 53%      | 98.6%          | 97.2%            |
| SAU800537     | BCE100591       | 62%      | 100%           | 98.6%            |
| SAU800537     | BFU104508       | 63%      | 100%           | 92.8%            |
| SAU800537     | BMA106139       | 63%      | 100%           | 98.6%            |
| SAU800537     | CJU100439       | 62%      | 99.3%          | 98.6%            |
| SAU800537     | CPN200686       | 62%      | 98.6%          | 97.9%            |
| SAU800537     | CTR200585       | 58%      | 98.6%          | 97.9%            |
| SAU800537     | CAC101038       | 71%      | 99.3%          | 98.6%            |
| SAU800537     | CBO102195       | 77%      | 100%           | 99.3%            |
| SAU800537     | CDF104047       | 74%      | 100%           | 99.3%            |
| SAU800537     | CDP100850       | 67%      | 98.6%          | 97.2%            |
| SAU800537     | EBC102886       | 67%      | 100%           | 99.3%            |
| SAU800537     | EFA200839       | 85%      | 100%           | 100%             |
| SAU800537     | ECO103881       | 67%      | 100%           | 99.3%            |
| SAU800537     | HIN100496       | 68%      | 100%           | 99.3%            |
| SAU800537     | HPY101185       | 64%      | 99.3%          | 98.6%            |
| SAU800537     | KPN300527       | 67%      | 100%           | 99.3%            |
| SAU800537     | LMO100036       | 82%      | 100%           | 99.3%            |
| SAU800537     | MCA100999       | 65%      | 100%           | 98.6%            |
| SAU800537     | MAV102318       | 69%      | 98.6%          | 97.2%            |
| SAU800537     | MBV103157       | 71%      | 98.6%          | 97.2%            |
| SAU800537     | MLP101154       | 68%      | 98.6%          | 97.2%            |
| SAU800537     | MTU200637       | 71%      | 98.6%          | 97.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800537     | MGE100083       | 44%      | 99.3%          | 98.5%            |
| SAU800537     | MPN100612       | 45%      | 99.3%          | 98.5%            |
| SAU800537     | NGO101667       | 62%      | 100%           | 97.9%            |
| SAU800537     | NME200140       | 62%      | 100%           | 97.9%            |
| SAU800537     | PMU101743       | 68%      | 100%           | 99.3%            |
| SAU800537     | PAE204272       | 65%      | 100%           | 98.6%            |
| SAU800537     | PPU104469       | 65%      | 100%           | 98.6%            |
| SAU800537     | PSY106552       | 63%      | 100%           | 95.9%            |
| SAU800537     | SPA107834       | 71%      | 62.9%          | 90.7%            |
| SAU800537     | STY102683       | 67%      | 100%           | 99.3%            |
| SAU800537     | STM102055       | 67%      | 100%           | 99.3%            |
| SAU800537     | SAU800537       | 100%     | 100%           | 100%             |
| SAU800537     | SEP201881       | 95%      | 100%           | 100%             |
| SAU800537     | SHA101488       | 95%      | 99.3%          | 98.6%            |
| SAU800537     | SMU101147       | 79%      | 99.3%          | 98.6%            |
| SAU800537     | SPN400555       | 82%      | 99.3%          | 98.6%            |
| SAU800537     | SPY200329       | 82%      | 99.3%          | 98.6%            |
| SAU800537     | TPA100234       | 56%      | 98.6%          | 95.2%            |
| SAU800537     | UUR100547       | 47%      | 98.6%          | 89.3%            |
| SAU800537     | VCH100319       | 67%      | 100%           | 99.3%            |
| SAU800537     | YPS000498       | 68%      | 100%           | 99.3%            |
| SAU800538     | ABA104945       | 47%      | 97.8%          | 97.4%            |
| SAU800538     | BAN101496       | 66%      | 40%            | 97.9%            |
| SAU800538     | BAN103921       | 57%      | 99.1%          | 99.6%            |
| SAU800538     | BFR10522        | 53%      | 99.1%          | 98.3%            |
| SAU800538     | BPT100050       | 54%      | 99.1%          | 98.3%            |
| SAU800538     | BBU100391       | 46%      | 97.8%          | 98.2%            |
| SAU800538     | BCE101116       | 52%      | 99.1%          | 98.3%            |
| SAU800538     | BFU100848       | 53%      | 99.1%          | 98.3%            |
| SAU800538     | BMA108405       | 51%      | 99.1%          | 98.3%            |
| SAU800538     | CFU100440       | 51%      | 98.3%          | 97.0%            |
| SAU800538     | CPN200685       | 53%      | 98.3%          | 97.4%            |
| SAU800538     | CTR200584       | 53%      | 98.3%          | 97.4%            |
| SAU800538     | CAC102626       | 65%      | 96.1%          | 96.9%            |
| SAU800538     | CBO103496       | 64%      | 96.1%          | 96.9%            |
| SAU800538     | CDF100546       | 63%      | 98.7%          | 98.3%            |
| SAU800538     | CDP100852       | 56%      | 97.8%          | 95.7%            |
| SAU800538     | EBC102885       | 53%      | 98.7%          | 97.0%            |
| SAU800538     | EFA200840       | 73%      | 99.6%          | 100%             |
| SAU800538     | ECO103882       | 52%      | 98.7%          | 97.0%            |
| SAU800538     | HIN100495       | 50%      | 99.1%          | 99.6%            |
| SAU800538     | HPY101184       | 53%      | 97.8%          | 96.6%            |
| SAU800538     | KFN300590       | 54%      | 49.6%          | 91.1%            |
| SAU800538     | LMO100406       | 74%      | 99.1%          | 99.6%            |
| SAU800538     | MCA101000       | 48%      | 97.8%          | 96.6%            |
| SAU800538     | MAV102320       | 54%      | 97.8%          | 95.7%            |
| SAU800538     | MBV103159       | 54%      | 97.8%          | 99.1%            |
| SAU800538     | MLP101153       | 56%      | 97.8%          | 95.7%            |
| SAU800538     | MTU200638       | 54%      | 97.8%          | 95.7%            |
| SAU800538     | MGE100084       | 43%      | 97.4%          | 98.2%            |
| SAU800538     | MPN100611       | 45%      | 97.4%          | 98.2%            |
| SAU800538     | NGO101665       | 53%      | 99.1%          | 98.7%            |
| SAU800538     | NME200139       | 53%      | 99.1%          | 98.7%            |
| SAU800538     | PMU101742       | 51%      | 99.1%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800538     | PAE204271       | 52%      | 100%           | 99.6%            |
| SAU800538     | PPU104471       | 48%      | 99.1%          | 98.7%            |
| SAU800538     | PSY103536       | 47%      | 100%           | 99.6%            |
| SAU800538     | SPA102795       | 52%      | 98.7%          | 97.0%            |
| SAU800538     | STY102680       | 53%      | 98.7%          | 97.0%            |
| SAU800538     | STM102056       | 53%      | 98.7%          | 97.0%            |
| SAU800538     | SAU800538       | 100%     | 100%           | 100%             |
| SAU800538     | SEP201882       | 93%      | 100%           | 99.6%            |
| SAU800538     | SHA101489       | 94%      | 100%           | 99.6%            |
| SAU800538     | SMU101145       | 65%      | 99.6%          | 100%             |
| SAU800538     | SPN400556       | 64%      | 99.1%          | 99.6%            |
| SAU800538     | SPY200330       | 66%      | 99.1%          | 99.6%            |
| SAU800538     | TPA100235       | 46%      | 95.7%          | 96.0%            |
| SAU800538     | UUR100546       | 47%      | 97.4%          | 97.8%            |
| SAU800538     | VCH100320       | 52%      | 97.8%          | 96.6%            |
| SAU800538     | YPS000494       | 52%      | 97.8%          | 96.2%            |
| SAU800539     | ABA104908       | 36%      | 99.4%          | 99.4%            |
| SAU800539     | BAN101384       | 64%      | 98.2%          | 98.2%            |
| SAU800539     | BAN106254       | 65%      | 98.2%          | 98.2%            |
| SAU800539     | BFR101778       | 25%      | 92.2%          | 90.6%            |
| SAU800539     | BPT104548       | 41%      | 94.6%          | 89.7%            |
| SAU800539     | BBU100390       | 32%      | 97.0%          | 95.8%            |
| SAU800539     | BCE110567       | 41%      | 96.4%          | 96.4%            |
| SAU800539     | BFU104512       | 42%      | 94.6%          | 77.6%            |
| SAU800539     | BMA104533       | 41%      | 96.4%          | 86.4%            |
| SAU800539     | CJU100441       | 31%      | 93.4%          | 95.6%            |
| SAU800539     | CPN200684       | 27%      | 85.5%          | 84.1%            |
| SAU800539     | CTR200583       | 28%      | 85.5%          | 83.1%            |
| SAU800539     | CAC103420       | 44%      | 94.6%          | 93.5%            |
| SAU800539     | CBO103649       | 43%      | 94.6%          | 94.6%            |
| SAU800539     | CDF100545       | 47%      | 100%           | 94.9%            |
| SAU800539     | CDP100855       | 39%      | 83.7%          | 87.1%            |
| SAU800539     | EFA200841       | 60%      | 98.2%          | 98.2%            |
| SAU800539     | EFM100720       | 57%      | 98.2%          | 97.6%            |
| SAU800539     | ECO103883       | 34%      | 97.6%          | 98.8%            |
| SAU800539     | HIN100621       | 33%      | 99.4%          | 100%             |
| SAU800539     | HPY101183       | 31%      | 94.6%          | 94.5%            |
| SAU800539     | KPN304658       | 33%      | 97.6%          | 98.8%            |
| SAU800539     | LMO101102       | 62%      | 97.6%          | 97.6%            |
| SAU800539     | MCA101001       | 33%      | 99.4%          | 99.4%            |
| SAU800539     | MAV102938       | 41%      | 92.8%          | 83.7%            |
| SAU800539     | MBV100919       | 41%      | 92.8%          | 92.1%            |
| SAU800539     | MLP101148       | 40%      | 92.8%          | 92.7%            |
| SAU800539     | MTU200648       | 41%      | 92.8%          | 92.1%            |
| SAU800539     | MGE100371       | 32%      | 92.8%          | 95.7%            |
| SAU800539     | MPN100304       | 34%      | 94.6%          | 100%             |
| SAU800539     | NGO101663       | 42%      | 97.0%          | 96.4%            |
| SAU800539     | NME200138       | 42%      | 97.0%          | 96.4%            |
| SAU800539     | PMU101739       | 33%      | 99.4%          | 100%             |
| SAU800539     | PRT103043       | 36%      | 97.6%          | 98.8%            |
| SAU800539     | PAE204270       | 40%      | 99.4%          | 99.4%            |
| SAU800539     | PPU104473       | 38%      | 97.0%          | 82.6%            |
| SAU800539     | PSY103338       | 36%      | 99.4%          | 99.4%            |
| SAU800539     | SPA102794       | 33%      | 97.6%          | 98.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800539     | STY102677       | 33%      | 97.6%          | 98.8%            |
| SAU800539     | STM102057       | 33%      | 97.6%          | 98.8%            |
| SAU800539     | SAU800539       | 100%     | 100%           | 100%             |
| SAU800539     | SEP201883       | 90%      | 100%           | 100%             |
| SAU800539     | SHA101633       | 89%      | 100%           | 100%             |
| SAU800539     | SMU100974       | 60%      | 98.2%          | 97.6%            |
| SAU800539     | SPN401211       | 55%      | 98.2%          | 98.2%            |
| SAU800539     | SPY200814       | 55%      | 96.4%          | 96.4%            |
| SAU800539     | TPA100236       | 35%      | 96.4%          | 88.9%            |
| SAU800539     | UUR100008       | 38%      | 94.0%          | 94.0%            |
| SAU800539     | VCH100321       | 39%      | 97.6%          | 98.8%            |
| SAU800539     | YPS000491       | 34%      | 97.6%          | 98.8%            |
| SAU800540     | ABA105381       | 61%      | 67.2%          | 95.3%            |
| SAU800540     | BAN106592       | 72%      | 96.7%          | 97.5%            |
| SAU800540     | BAN112078       | 79%      | 96.7%          | 97.5%            |
| SAU800540     | BFR106071       | 58%      | 100%           | 100%             |
| SAU800540     | BPT104549       | 63%      | 95.9%          | 95.3%            |
| SAU800540     | BBU100389       | 53%      | 98.4%          | 97.6%            |
| SAU800540     | BCE104254       | 64%      | 96.7%          | 96.0%            |
| SAU800540     | BFU104514       | 64%      | 96.7%          | 96.0%            |
| SAU800540     | BMA108492       | 65%      | 96.7%          | 96.0%            |
| SAU800540     | CJU100442       | 58%      | 96.7%          | 96%              |
| SAU800540     | CPN200683       | 44%      | 96.7%          | 93.8%            |
| SAU800540     | CTR200582       | 49%      | 96.7%          | 93.8%            |
| SAU800540     | CAC103770       | 72%      | 96.7%          | 97.6%            |
| SAU800540     | CBO100998       | 73%      | 96.7%          | 97.6%            |
| SAU800540     | CDF100554       | 67%      | 96.7%          | 95.2%            |
| SAU800540     | CDP100862       | 61%      | 96.7%          | 95.2%            |
| SAU800540     | EBC100455       | 60%      | 96.7%          | 95.9%            |
| SAU800540     | EFA200842       | 64%      | 98.4%          | 97.5%            |
| SAU800540     | EFM100721       | 70%      | 98.4%          | 97.5%            |
| SAU800540     | ECO103884       | 58%      | 96.7%          | 95.9%            |
| SAU800540     | HIN100622       | 63%      | 97.5%          | 96.7%            |
| SAU800540     | HPY101182       | 55%      | 96.7%          | 96%              |
| SAU800540     | KPN205542       | 58%      | 96.7%          | 95.9%            |
| SAU800540     | LMO102795       | 72%      | 98.4%          | 97.5%            |
| SAU800540     | MCA101002       | 60%      | 97.5%          | 96.8%            |
| SAU800540     | MAV102937       | 57%      | 96.7%          | 95.4%            |
| SAU800540     | MBV100917       | 55%      | 96.7%          | 95.4%            |
| SAU800540     | MLP101147       | 52%      | 96.7%          | 95.4%            |
| SAU800540     | MTU200649       | 55%      | 96.7%          | 95.4%            |
| SAU800540     | MGE100372       | 47%      | 96.7%          | 95.1%            |
| SAU800540     | MPN100303       | 45%      | 95.9%          | 94.3%            |
| SAU800540     | NGO101640       | 63%      | 96.7%          | 95.9%            |
| SAU800540     | NME200137       | 63%      | 96.7%          | 95.9%            |
| SAU800540     | PMU101738       | 62%      | 97.5%          | 96.7%            |
| SAU800540     | PRT100056       | 55%      | 96.7%          | 95.9%            |
| SAU800540     | PAE204269       | 57%      | 97.5%          | 96.7%            |
| SAU800540     | PPU104475       | 59%      | 97.5%          | 96.7%            |
| SAU800540     | PSY108092       | 58%      | 51.6%          | 98.4%            |
| SAU800540     | SPA107849       | 59%      | 96.7%          | 95.9%            |
| SAU800540     | STY102674       | 59%      | 96.7%          | 95.9%            |
| SAU800540     | STM107215       | 59%      | 96.7%          | 95.9%            |
| SAU800540     | SAU800540       | 100%     | 100%           | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800540     | SEP201884       | 95%      | 100%           | 100%             |
| SAU800540     | SHA101634       | 94%      | 100%           | 100%             |
| SAU800540     | SMU100975       | 67%      | 98.4%          | 97.5%            |
| SAU800540     | SPN401210       | 69%      | 98.4%          | 93.7%            |
| SAU800540     | SPY200815       | 69%      | 98.4%          | 97.5%            |
| SAU800540     | TPA100237       | 53%      | 97.5%          | 96.1%            |
| SAU800540     | UUR100009       | 54%      | 95.9%          | 94.2%            |
| SAU800540     | VCH100322       | 60%      | 97.5%          | 96.7%            |
| SAU800540     | YPS005201       | 55%      | 96.7%          | 95.1%            |
| SAU800541     | ABA105495       | 27%      | 87.6%          | 51.9%            |
| SAU800541     | BAN109779       | 34%      | 98.5%          | 98.5%            |
| SAU800541     | BAN106573       | 47%      | 98.5%          | 98.0%            |
| SAU800541     | CAC102355       | 23%      | 60.9%          | 63.6%            |
| SAU800541     | CDP100325       | 25%      | 55.9%          | 21.5%            |
| SAU800541     | EBC100359       | 32%      | 90.1%          | 78.8%            |
| SAU800541     | EFA202368       | 47%      | 99.0%          | 97.5%            |
| SAU800541     | EFM103156       | 61%      | 23.3%          | 97.9%            |
| SAU800541     | ECO104257       | 31%      | 82.7%          | 47.2%            |
| SAU800541     | HIN100011       | 36%      | 64.9%          | 39.1%            |
| SAU800541     | KPN302168       | 31%      | 76.2%          | 46.3%            |
| SAU800541     | LMO100106       | 48%      | 99.0%          | 98.0%            |
| SAU800541     | MCA101670       | 29%      | 83.2%          | 77.0%            |
| SAU800541     | MAV100438       | 32%      | 38.1%          | 32.8%            |
| SAU800541     | PMU100958       | 35%      | 64.9%          | 39.3%            |
| SAU800541     | PRT100948       | 27%      | 83.2%          | 48.4%            |
| SAU800541     | PAE202177       | 33%      | 59.9%          | 42.4%            |
| SAU800541     | PPU108553       | 28%      | 90.1%          | 48.4%            |
| SAU800541     | PSY109074       | 27%      | 90.6%          | 48.7%            |
| SAU800541     | SPA102412       | 24%      | 95.5%          | 50.1%            |
| SAU800541     | STY104541       | 31%      | 82.7%          | 47.4%            |
| SAU800541     | SAU800541       | 100%     | 100%           | 100%             |
| SAU800541     | SEP201885       | 71%      | 99.5%          | 99.5%            |
| SAU800541     | SHA101635       | 73%      | 99.5%          | 99.5%            |
| SAU800541     | SMU100923       | 46%      | 98.0%          | 96.5%            |
| SAU800541     | SPN400743       | 45%      | 98.0%          | 97.4%            |
| SAU800541     | SPY200944       | 45%      | 98.0%          | 97.0%            |
| SAU800541     | VCH100611       | 27%      | 87.6%          | 50.3%            |
| SAU800541     | YPS001891       | 28%      | 82.7%          | 42.3%            |
| SAU800542     | ABA104003       | 60%      | 8.5%           | 1.8%             |
| SAU800542     | BAN107104       | 46%      | 84.2%          | 84.9%            |
| SAU800542     | BAN105134       | 79%      | 99.9%          | 99.8%            |
| SAU800542     | BFR12467        | 42%      | 93.2%          | 98.5%            |
| SAU800542     | BPT100051       | 47%      | 95.8%          | 98.5%            |
| SAU800542     | BBU100388       | 48%      | 96.5%          | 98.7%            |
| SAU800542     | BCE104307       | 45%      | 95.8%          | 99.1%            |
| SAU800542     | BFU100849       | 45%      | 82.4%          | 96.9%            |
| SAU800542     | BMA104886       | 46%      | 95.8%          | 99.1%            |
| SAU800542     | CJU100443       | 41%      | 96.4%          | 99.3%            |
| SAU800542     | CPN200682       | 47%      | 28.5%          | 77.9%            |
| SAU800542     | CTR200581       | 47%      | 95.8%          | 99.3%            |
| SAU800542     | CAC102610       | 64%      | 98.7%          | 95.2%            |
| SAU800542     | CBO100154       | 64%      | 99.3%          | 96.5%            |
| SAU800542     | CDF100552       | 66%      | 97.4%          | 94.3%            |
| SAU800542     | CDP100874       | 62%      | 8.0%           | 0.9%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800542     | EBC101233       | 48%      | 74.4%          | 93.7%            |
| SAU800542     | EFA200805       | 73%      | 99.7%          | 98.1%            |
| SAU800542     | EFM202205       | 73%      | 100%           | 98.0%            |
| SAU800542     | ECO103885       | 53%      | 0.8%           | 6.9%             |
| SAU800542     | HIN100494       | 60%      | 1.1%           | 6.1%             |
| SAU800542     | KPN302483       | 48%      | 91.2%          | 100%             |
| SAU800542     | LPN101720       | 62%      | 5.7%           | 95.7%            |
| SAU800542     | LMO101542       | 79%      | 99.2%          | 98.4%            |
| SAU800542     | MCA101003       | 47%      | 96.3%          | 99.5%            |
| SAU800542     | MAV102933       | 61%      | 8.0%           | 1.0%             |
| SAU800542     | MBV100910       | 60%      | 6.1%           | 0.6%             |
| SAU800542     | MLP101145       | 61%      | 8.0%           | 1.0%             |
| SAU800542     | MTU200664       | 60%      | 6.1%           | 0.6%             |
| SAU800542     | MGE100350       | 44%      | 4.1%           | 0.3%             |
| SAU800542     | MPN100326       | 45%      | 4.1%           | 0.3%             |
| SAU800542     | NME200136       | 51%      | 11.7%          | 0.9%             |
| SAU800542     | PMU101737       | 53%      | 0.2%           | 7.6%             |
| SAU800542     | PAE204268       | 47%      | 96.2%          | 99.5%            |
| SAU800542     | PPU104497       | 45%      | 96.2%          | 99.5%            |
| SAU800542     | PSY103339       | 46%      | 96.2%          | 99.5%            |
| SAU800542     | SPA102792       | 59%      | 8.5%           | 2.5%             |
| SAU800542     | STY102671       | 47%      | 96.2%          | 99.5%            |
| SAU800542     | STM102058       | 47%      | 96.2%          | 99.5%            |
| SAU800542     | SAU800542       | 100%     | 100%           | 100%             |
| SAU800542     | SEP201886       | 97%      | 100%           | 100%             |
| SAU800542     | SHA101636       | 90%      | 95.8%          | 100%             |
| SAU800542     | SMU100556       | 69%      | 98.3%          | 97.9%            |
| SAU800542     | SPN401775       | 68%      | 98.3%          | 95.6%            |
| SAU800542     | SPY200071       | 67%      | 100%           | 99.8%            |
| SAU800542     | TPA100238       | 48%      | 96.4%          | 97.9%            |
| SAU800542     | UUR100187       | 47%      | 2.9%           | 9.8%             |
| SAU800542     | VCH100323       | 47%      | 96.2%          | 97.0%            |
| SAU800542     | YPS000489       | 53%      | 0.8%           | 6.9%             |
| SAU800543     | ABA100041       | 37%      | 11.4%          | 74.4%            |
| SAU800543     | ABA104621       | 52%      | 97.3%          | 95.8%            |
| SAU800543     | BAN107772       | 44%      | 99.5%          | 99.6%            |
| SAU800543     | BAN101907       | 76%      | 100%           | 99.9%            |
| SAU800543     | BFR102987       | 53%      | 98.0%          | 97.5%            |
| SAU800543     | BPT101163       | 54%      | 99.3%          | 96.8%            |
| SAU800543     | BBU100387       | 55%      | 98.4%          | 99.3%            |
| SAU800543     | BCE108518       | 60%      | 47.9%          | 97.2%            |
| SAU800543     | BFU100842       | 52%      | 81.6%          | 62.0%            |
| SAU800543     | BMA101246       | 50%      | 97.3%          | 95.8%            |
| SAU800543     | CJU100444       | 47%      | 98.3%          | 98.8%            |
| SAU800543     | CPN200681       | 50%      | 97.9%          | 96.9%            |
| SAU800543     | CTR200580       | 54%      | 97.9%          | 97.1%            |
| SAU800543     | CAC100576       | 63%      | 98.5%          | 98.2%            |
| SAU800543     | CBO100117       | 64%      | 99.3%          | 99.3%            |
| SAU800543     | CDF100550       | 63%      | 98.7%          | 99.7%            |
| SAU800543     | CDP100877       | 50%      | 7.0%           | 0.4%             |
| SAU800543     | EBC103916       | 54%      | 99.4%          | 97.3%            |
| SAU800543     | EFA200807       | 72%      | 99.8%          | 98.8%            |
| SAU800543     | EFM200070       | 70%      | 97.6%          | 100%             |
| SAU800543     | ECO103886       | 52%      | 97.8%          | 96.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800543     | HIN100493       | 54%      | 99.3%          | 96.9%            |
| SAU800543     | HPY101181       | 53%      | 97.4%          | 51.2%            |
| SAU800543     | KPN300484       | 37%      | 12.2%          | 90.6%            |
| SAU800543     | KPN302484       | 52%      | 97.8%          | 96.1%            |
| SAU800543     | LPN100508       | 64%      | 44.2%          | 98.3%            |
| SAU800543     | LMO101517       | 76%      | 99.6%          | 99.7%            |
| SAU800543     | MCA101004       | 50%      | 97.6%          | 94.9%            |
| SAU800543     | MAV102932       | 52%      | 7.0%           | 0.5%             |
| SAU800543     | MBV100906       | 52%      | 7.0%           | 0.5%             |
| SAU800543     | MLP101144       | 52%      | 7.0%           | 0.5%             |
| SAU800543     | MTU200665       | 52%      | 7.0%           | 0.5%             |
| SAU800543     | MGE100349       | 44%      | 98.8%          | 98.7%            |
| SAU800543     | MPN100327       | 45%      | 98.1%          | 98.2%            |
| SAU800543     | NGO101637       | 54%      | 78.1%          | 38.1%            |
| SAU800543     | NME200135       | 51%      | 99.5%          | 98.6%            |
| SAU800543     | PMU101736       | 53%      | 97.3%          | 95.0%            |
| SAU800543     | PRT104687       | 54%      | 78.1%          | 41.2%            |
| SAU800543     | PAE204267       | 49%      | 99.8%          | 98.6%            |
| SAU800543     | PPU104498       | 48%      | 99.5%          | 97.5%            |
| SAU800543     | PSY103340       | 48%      | 99.5%          | 98.2%            |
| SAU800543     | SPA101954       | 44%      | 65.5%          | 100%             |
| SAU800543     | STY102668       | 52%      | 97.8%          | 96.1%            |
| SAU800543     | STM102060       | 52%      | 97.8%          | 96.1%            |
| SAU800543     | SAU800543       | 100%     | 100%           | 100%             |
| SAU800543     | SEP201887       | 95%      | 100%           | 100%             |
| SAU800543     | SHA100756       | 90%      | 6.8%           | 74.5%            |
| SAU800543     | SHA101637       | 95%      | 100%           | 100%             |
| SAU800543     | SMU100552       | 68%      | 98.4%          | 98.2%            |
| SAU800543     | SPN401774       | 68%      | 100%           | 98.8%            |
| SAU800543     | SPY200072       | 67%      | 99.9%          | 99.2%            |
| SAU800543     | TPA100239       | 54%      | 98.4%          | 97.0%            |
| SAU800543     | UUR100188       | 44%      | 97.6%          | 98.5%            |
| SAU800543     | VCH100324       | 51%      | 97.8%          | 96.4%            |
| SAU800543     | YPS000478       | 52%      | 99.5%          | 97.6%            |
| SAU800545     | ABA100053       | 58%      | 99.3%          | 100%             |
| SAU800545     | BAN100648       | 83%      | 100%           | 97.9%            |
| SAU800545     | BFR10866        | 77%      | 54.7%          | 88.2%            |
| SAU800545     | BPT100844       | 67%      | 99.3%          | 98.4%            |
| SAU800545     | BBU100386       | 71%      | 99.3%          | 99.2%            |
| SAU800545     | BCE108786       | 66%      | 99.3%          | 97.6%            |
| SAU800545     | BFU100844       | 65%      | 99.3%          | 97.6%            |
| SAU800545     | BMA100034       | 66%      | 99.3%          | 97.6%            |
| SAU800545     | CJU100456       | 65%      | 99.3%          | 96.1%            |
| SAU800545     | CPN200197       | 63%      | 99.3%          | 100%             |
| SAU800545     | CTR200713       | 66%      | 99.3%          | 100%             |
| SAU800545     | CAC103453       | 66%      | 99.3%          | 98.4%            |
| SAU800545     | CBO102727       | 67%      | 99.3%          | 98.4%            |
| SAU800545     | CDF102422       | 75%      | 99.3%          | 95.1%            |
| SAU800545     | CDP100904       | 66%      | 99.3%          | 90.4%            |
| SAU800545     | EBC102897       | 65%      | 99.3%          | 99.2%            |
| SAU800545     | EFA202015       | 85%      | 99.3%          | 99.3%            |
| SAU800545     | BCO103265       | 65%      | 99.3%          | 99.2%            |
| SAU800545     | HIN100561       | 66%      | 99.3%          | 99.2%            |
| SAU800545     | HPY101180       | 65%      | 99.3%          | 91.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800545     | KPN200561       | 66%      | 99.3%          | 99.2%            |
| SAU800545     | LMO101449       | 87%      | 99.3%          | 99.3%            |
| SAU800545     | MCA100230       | 61%      | 99.3%          | 99.2%            |
| SAU800545     | MAV102944       | 64%      | 100%           | 100%             |
| SAU800545     | MBV103315       | 64%      | 99.3%          | 99.2%            |
| SAU800545     | MLP101142       | 63%      | 100%           | 100%             |
| SAU800545     | MTU200679       | 64%      | 99.3%          | 99.2%            |
| SAU800545     | MGE100089       | 74%      | 99.3%          | 97.8%            |
| SAU800545     | MPN100606       | 72%      | 99.3%          | 97.8%            |
| SAU800545     | NGO101631       | 63%      | 99.3%          | 100%             |
| SAU800545     | NME200131       | 63%      | 99.3%          | 100%             |
| SAU800545     | PMU101354       | 65%      | 100%           | 100%             |
| SAU800545     | PRT103411       | 59%      | 87.6%          | 100%             |
| SAU800545     | PAE204266       | 67%      | 99.3%          | 100%             |
| SAU800545     | PPU112031       | 68%      | 99.3%          | 100%             |
| SAU800545     | PSY103389       | 69%      | 99.3%          | 100%             |
| SAU800545     | SPA102395       | 65%      | 99.3%          | 99.2%            |
| SAU800545     | STY101779       | 65%      | 99.3%          | 99.2%            |
| SAU800545     | SAU800545       | 100%     | 100%           | 100%             |
| SAU800545     | SEP201889       | 94%      | 100%           | 100%             |
| SAU800545     | SHA101640       | 97%      | 100%           | 100%             |
| SAU800545     | SMU100684       | 83%      | 99.3%          | 99.3%            |
| SAU800545     | SPN400248       | 82%      | 99.3%          | 99.3%            |
| SAU800545     | SPY200200       | 82%      | 99.3%          | 99.3%            |
| SAU800545     | TPA100240       | 64%      | 99.3%          | 99.2%            |
| SAU800545     | UR100531        | 73%      | 99.3%          | 96.5%            |
| SAU800545     | VCH100354       | 64%      | 100%           | 100%             |
| SAU800545     | YPS001825       | 66%      | 99.3%          | 99.2%            |
| SAU800546     | ABA100054       | 53%      | 100%           | 100%             |
| SAU800546     | BAN101047       | 67%      | 100%           | 100%             |
| SAU800546     | BAN102922       | 81%      | 100%           | 100%             |
| SAU800546     | BFR102620       | 47%      | 98.7%          | 89.2%            |
| SAU800546     | BPT100845       | 60%      | 100%           | 90.2%            |
| SAU800546     | BBU100385       | 49%      | 100%           | 100%             |
| SAU800546     | BCE114655       | 55%      | 100%           | 100%             |
| SAU800546     | BFU100845       | 56%      | 100%           | 100%             |
| SAU800546     | BMA108128       | 55%      | 100%           | 100%             |
| SAU800546     | CJU100457       | 56%      | 98.7%          | 99.4%            |
| SAU800546     | CPN200198       | 50%      | 100%           | 100%             |
| SAU800546     | CTR200712       | 49%      | 100%           | 100%             |
| SAU800546     | CAC101300       | 68%      | 100%           | 100%             |
| SAU800546     | CBO100058       | 72%      | 100%           | 90.7%            |
| SAU800546     | CDF100549       | 73%      | 100%           | 100%             |
| SAU800546     | CDP100907       | 60%      | 98.7%          | 99.4%            |
| SAU800546     | EBC102895       | 60%      | 100%           | 100%             |
| SAU800546     | EFA202013       | 78%      | 100%           | 100%             |
| SAU800546     | ECO103264       | 60%      | 100%           | 87.2%            |
| SAU800546     | HIN100560       | 60%      | 100%           | 100%             |
| SAU800546     | HPY101179       | 55%      | 98.7%          | 99.4%            |
| SAU800546     | KPN300871       | 62%      | 92.9%          | 86.8%            |
| SAU800546     | LMO101111       | 78%      | 100%           | 100%             |
| SAU800546     | MCA100231       | 50%      | 100%           | 100%             |
| SAU800546     | MAV102943       | 59%      | 100%           | 100%             |
| SAU800546     | MBV103316       | 60%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800546     | MLP101141       | 60%      | 100%           | 100%             |
| SAU800546     | MTU200680       | 60%      | 100%           | 100%             |
| SAU800546     | MGE100090       | 62%      | 98.7%          | 99.4%            |
| SAU800546     | MPN100605       | 62%      | 98.7%          | 99.4%            |
| SAU800546     | NGO101627       | 58%      | 100%           | 100%             |
| SAU800546     | NME200130       | 58%      | 100%           | 100%             |
| SAU800546     | PMU101355       | 61%      | 100%           | 100%             |
| SAU800546     | PRT100252       | 58%      | 100%           | 100%             |
| SAU800546     | PAE204265       | 57%      | 100%           | 100%             |
| SAU800546     | PPU112217       | 57%      | 100%           | 100%             |
| SAU800546     | PSY106485       | 71%      | 24.4%          | 92.7%            |
| SAU800546     | SPA102393       | 54%      | 66.0%          | 91.2%            |
| SAU800546     | STY101780       | 60%      | 100%           | 100%             |
| SAU800546     | SAU800546       | 100%     | 100%           | 100%             |
| SAU800546     | SEP200070       | 100%     | 100%           | 100%             |
| SAU800546     | SHA102003       | 95%      | 25.6%          | 100%             |
| SAU800546     | SMU100686       | 75%      | 100%           | 100%             |
| SAU800546     | SPN400249       | 77%      | 100%           | 100%             |
| SAU800546     | SPY200201       | 75%      | 100%           | 100%             |
| SAU800546     | TPA100241       | 51%      | 100%           | 100%             |
| SAU800546     | UUR100530       | 68%      | 98.7%          | 99.4%            |
| SAU800546     | VCH100355       | 61%      | 100%           | 100%             |
| SAU800546     | YPS001851       | 60%      | 100%           | 100%             |
| SAU800547     | ABA100059       | 58%      | 88.0%          | 100%             |
| SAU800547     | BAN103750       | 78%      | 10.1%          | 95.9%            |
| SAU800547     | BAN113143       | 70%      | 76.8%          | 98.5%            |
| SAU800547     | BAN108186       | 79%      | 100%           | 99.0%            |
| SAU800547     | BFR12249        | 55%      | 63.2%          | 98.9%            |
| SAU800547     | BPT100846       | 60%      | 99.1%          | 99.3%            |
| SAU800547     | BBU100539       | 47%      | 98.3%          | 98.4%            |
| SAU800547     | BCE105443       | 59%      | 99.1%          | 99.3%            |
| SAU800547     | BFU100846       | 59%      | 99.1%          | 99.3%            |
| SAU800547     | BMA109643       | 59%      | 99.1%          | 99.3%            |
| SAU800547     | CJU100458       | 60%      | 99.9%          | 100%             |
| SAU800547     | CPN200199       | 57%      | 99.1%          | 99.6%            |
| SAU800547     | CTR200711       | 58%      | 99.1%          | 99.6%            |
| SAU800547     | CAC102763       | 63%      | 99.7%          | 100%             |
| SAU800547     | CBO100608       | 64%      | 99.4%          | 98%              |
| SAU800547     | CDF100548       | 65%      | 99.0%          | 99.4%            |
| SAU800547     | CDP100910       | 59%      | 99.0%          | 96.1%            |
| SAU800547     | EBC102893       | 59%      | 99.3%          | 99.4%            |
| SAU800547     | EFA202007       | 75%      | 99.9%          | 99.7%            |
| SAU800547     | ECO103263       | 59%      | 99.3%          | 99.4%            |
| SAU800547     | HIN100559       | 59%      | 99.7%          | 99.9%            |
| SAU800547     | HPY101178       | 62%      | 99.9%          | 100%             |
| SAU800547     | KPN303651       | 59%      | 99.1%          | 99.1%            |
| SAU800547     | LMO102926       | 78%      | 99.9%          | 99.3%            |
| SAU800547     | MCA100232       | 58%      | 99.4%          | 98.9%            |
| SAU800547     | MAV102942       | 60%      | 99.1%          | 98.7%            |
| SAU800547     | MBV103317       | 60%      | 99.1%          | 98.7%            |
| SAU800547     | MLP101140       | 60%      | 99.1%          | 98.7%            |
| SAU800547     | MTU200681       | 61%      | 99.1%          | 98.7%            |
| SAU800547     | MGE100091       | 61%      | 99.7%          | 100%             |
| SAU800547     | MPN100604       | 62%      | 99.7%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800547     | NGO101623       | 57%      | 99.9%          | 100%             |
| SAU800547     | NME200129       | 57%      | 99.9%          | 100%             |
| SAU800547     | PMU101356       | 59%      | 99.7%          | 99.9%            |
| SAU800547     | PRT100253       | 58%      | 99.7%          | 94.2%            |
| SAU800547     | PAE202069       | 59%      | 99.4%          | 99.6%            |
| SAU800547     | PPU109182       | 58%      | 100%           | 100%             |
| SAU800547     | PSY103391       | 56%      | 93.8%          | 99.7%            |
| SAU800547     | SPA102789       | 57%      | 99.3%          | 99.4%            |
| SAU800547     | STY101781       | 59%      | 99.3%          | 99.4%            |
| SAU800547     | SAU800547       | 100%     | 100%           | 100%             |
| SAU800547     | SEP200071       | 95%      | 100%           | 100%             |
| SAU800547     | SMU100688       | 76%      | 100%           | 99.9%            |
| SAU800547     | SPN400250       | 76%      | 100%           | 99.9%            |
| SAU800547     | SPY200202       | 76%      | 100%           | 100%             |
| SAU800547     | TPA100759       | 44%      | 98.0%          | 97.4%            |
| SAU800547     | UUR100529       | 63%      | 99.1%          | 99.1%            |
| SAU800547     | VCH100356       | 60%      | 99.6%          | 99.9%            |
| SAU800547     | YPS001853       | 60%      | 99.3%          | 99.4%            |
| SAU800548     | ABA100233       | 74%      | 33.5%          | 98.5%            |
| SAU800548     | ABA100062       | 74%      | 99.5%          | 99.5%            |
| SAU800548     | BAN106076       | 81%      | 100%           | 100%             |
| SAU800548     | BFR12122        | 73%      | 99.7%          | 99.7%            |
| SAU800548     | BPT100044       | 75%      | 100%           | 100%             |
| SAU800548     | BPT100847       | 75%      | 100%           | 100%             |
| SAU800548     | BBU100475       | 62%      | 100%           | 98.3%            |
| SAU800548     | BCE112288       | 70%      | 15.7%          | 100%             |
| SAU800548     | BCE106056       | 75%      | 52.0%          | 99.0%            |
| SAU800548     | BCE108906       | 75%      | 100%           | 100%             |
| SAU800548     | BFU100267       | 70%      | 37.6%          | 100%             |
| SAU800548     | BFU100847       | 74%      | 100%           | 100%             |
| SAU800548     | BMA107343       | 76%      | 95.9%          | 100%             |
| SAU800548     | BMA106305       | 76%      | 100%           | 100%             |
| SAU800548     | CJU100435       | 73%      | 100%           | 100%             |
| SAU800548     | CPN200689       | 68%      | 99.5%          | 99.5%            |
| SAU800548     | CTR200588       | 67%      | 99.7%          | 98.5%            |
| SAU800548     | CAC103049       | 73%      | 100%           | 100%             |
| SAU800548     | CBO100671       | 69%      | 10.9%          | 95.6%            |
| SAU800548     | CBO101209       | 76%      | 59.1%          | 100%             |
| SAU800548     | CBO101304       | 73%      | 99.5%          | 99.5%            |
| SAU800548     | CDF100547       | 72%      | 100%           | 96.1%            |
| SAU800548     | CDP100912       | 71%      | 100%           | 100%             |
| SAU800548     | EBC101615       | 72%      | 33.8%          | 99.3%            |
| SAU800548     | EBC100362       | 79%      | 47.7%          | 100%             |
| SAU800548     | EBC102891       | 75%      | 99.7%          | 99.7%            |
| SAU800548     | EFA202006       | 89%      | 100%           | 100%             |
| SAU800548     | EFM100161       | 76%      | 71.3%          | 100%             |
| SAU800548     | ECO103262       | 75%      | 99.7%          | 99.7%            |
| SAU800548     | ECO103878       | 75%      | 99.7%          | 99.7%            |
| SAU800548     | HIN100558       | 76%      | 100%           | 100%             |
| SAU800548     | HIN100613       | 76%      | 100%           | 100%             |
| SAU800548     | HPY101188       | 74%      | 100%           | 100%             |
| SAU800548     | KPN300520       | 77%      | 23.6%          | 100%             |
| SAU800548     | KPN300653       | 75%      | 79.9%          | 99.7%            |
| SAU800548     | KPN300869       | 75%      | 99.7%          | 99.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800548     | LMO102516       | 84%      | 100%           | 100%             |
| SAU800548     | MCA100162       | 75%      | 99.5%          | 99.5%            |
| SAU800548     | MAV102941       | 72%      | 100%           | 100%             |
| SAU800548     | MBV103318       | 72%      | 100%           | 100%             |
| SAU800548     | MLP101139       | 71%      | 100%           | 100%             |
| SAU800548     | MTU200682       | 72%      | 100%           | 100%             |
| SAU800548     | MGE100460       | 70%      | 100%           | 100%             |
| SAU800548     | MPN100177       | 70%      | 100%           | 100%             |
| SAU800548     | NGO101620       | 77%      | 99.7%          | 99.7%            |
| SAU800548     | NGO101673       | 77%      | 99.7%          | 99.7%            |
| SAU800548     | NME200143       | 78%      | 99.7%          | 99.7%            |
| SAU800548     | NME200128       | 78%      | 99.7%          | 99.7%            |
| SAU800548     | PMU101746       | 74%      | 100%           | 100%             |
| SAU800548     | PMU101357       | 75%      | 100%           | 100%             |
| SAU800548     | PRT100737       | 76%      | 24.6%          | 100%             |
| SAU800548     | PRT100321       | 75%      | 99.7%          | 99.7%            |
| SAU800548     | PAE204275       | 73%      | 100%           | 100%             |
| SAU800548     | PAE204263       | 73%      | 100%           | 100%             |
| SAU800548     | PPU104463       | 71%      | 76.9%          | 100%             |
| SAU800548     | PPU104501       | 71%      | 100%           | 100%             |
| SAU800548     | PSY107231       | 71%      | 99.7%          | 99.7%            |
| SAU800548     | SPA104331       | 69%      | 39.3%          | 99.4%            |
| SAU800548     | SPA102798       | 74%      | 99.7%          | 99.7%            |
| SAU800548     | STY102689       | 74%      | 99.7%          | 99.7%            |
| SAU800548     | STY101782       | 74%      | 99.7%          | 99.7%            |
| SAU800548     | STM102043       | 74%      | 99.7%          | 99.7%            |
| SAU800548     | SAU800548       | 100%     | 100%           | 100%             |
| SAU800548     | SEP200072       | 96%      | 100%           | 100%             |
| SAU800548     | SHA101389       | 97%      | 100%           | 100%             |
| SAU800548     | SMU101538       | 74%      | 99.5%          | 99.5%            |
| SAU800548     | SPN401342       | 74%      | 99.5%          | 99.5%            |
| SAU800548     | SPY200441       | 74%      | 99.5%          | 99.5%            |
| SAU800548     | TPA100185       | 65%      | 99.7%          | 79.6%            |
| SAU800548     | UUR100528       | 71%      | 98.7%          | 98.7%            |
| SAU800548     | VCH100316       | 76%      | 99.7%          | 99.7%            |
| SAU800548     | VCH100357       | 76%      | 99.7%          | 99.7%            |
| SAU800548     | YPS001855       | 75%      | 99.7%          | 99.7%            |
| SAU800548     | YPS000510       | 77%      | 100%           | 100%             |
| SAU800550     | ABA100563       | 32%      | 92.4%          | 92.5%            |
| SAU800550     | BAN108626       | 73%      | 98.7%          | 100%             |
| SAU800550     | BAN106368       | 77%      | 99.2%          | 96.0%            |
| SAU800550     | BFR10641        | 41%      | 99.2%          | 95.9%            |
| SAU800550     | BPT103090       | 35%      | 91.1%          | 88.4%            |
| SAU800550     | BCE109390       | 26%      | 26.4%          | 82.4%            |
| SAU800550     | BCE113483       | 40%      | 100%           | 97.0%            |
| SAU800550     | BFU101208       | 40%      | 100%           | 97.0%            |
| SAU800550     | BMA100519       | 39%      | 100%           | 97.0%            |
| SAU800550     | CJU100275       | 27%      | 84.3%          | 85.5%            |
| SAU800550     | CPN200794       | 29%      | 90.1%          | 90.3%            |
| SAU800550     | CDP100242       | 31%      | 96.9%          | 93.7%            |
| SAU800550     | EBC102199       | 41%      | 99.0%          | 95.7%            |
| SAU800550     | EFM202467       | 69%      | 100%           | 96.7%            |
| SAU800550     | ECO103539       | 41%      | 99.0%          | 95.7%            |
| SAU800550     | HNI101522       | 32%      | 89.8%          | 90.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800550     | KPN303387       | 40%      | 99.0%          | 95.7%            |
| SAU800550     | LPN100930       | 26%      | 90.1%          | 82.0%            |
| SAU800550     | MCA100378       | 30%      | 87.2%          | 85%              |
| SAU800550     | MAV103993       | 32%      | 84.3%          | 82.9%            |
| SAU800550     | MBV102883       | 33%      | 98.4%          | 48.6%            |
| SAU800550     | MLP100753       | 34%      | 84.3%          | 82.1%            |
| SAU800550     | MTU200032       | 33%      | 98.4%          | 48.6%            |
| SAU800550     | NGO101594       | 33%      | 74.7%          | 96.9%            |
| SAU800550     | NME201859       | 32%      | 86.9%          | 87.9%            |
| SAU800550     | PMU101901       | 32%      | 93.5%          | 93.0%            |
| SAU800550     | PRT102489       | 42%      | 99.0%          | 95.5%            |
| SAU800550     | PAE200500       | 35%      | 95.0%          | 90.0%            |
| SAU800550     | PPU107457       | 37%      | 92.7%          | 90.3%            |
| SAU800550     | PSY103313       | 36%      | 87.7%          | 95.4%            |
| SAU800550     | SPA104075       | 40%      | 96.3%          | 94.1%            |
| SAU800550     | STY100333       | 41%      | 99.0%          | 95.7%            |
| SAU800550     | STM102073       | 34%      | 91.9%          | 90.6%            |
| SAU800550     | SAU800550       | 100%     | 100%           | 100%             |
| SAU800550     | SHA101391       | 93%      | 100%           | 96.2%            |
| SAU800550     | VCH103606       | 42%      | 99.2%          | 96.2%            |
| SAU800550     | YPS001508       | 43%      | 99.0%          | 94.5%            |
| SAU800551     | ABA101220       | 58%      | 96.6%          | 97.3%            |
| SAU800551     | BAN102049       | 22%      | 77.1%          | 98.6%            |
| SAU800551     | BAN102184       | 22%      | 77.1%          | 98.6%            |
| SAU800551     | BFR104991       | 23%      | 75.7%          | 97.4%            |
| SAU800551     | BPT100429       | 24%      | 80.8%          | 99.5%            |
| SAU800551     | BCE101252       | 61%      | 99.0%          | 99.3%            |
| SAU800551     | BMA103820       | 26%      | 71.6%          | 89.8%            |
| SAU800551     | EFA202431       | 24%      | 38.7%          | 48.7%            |
| SAU800551     | EFM202602       | 25%      | 68.2%          | 85.3%            |
| SAU800551     | ECO101931       | 56%      | 96.6%          | 97.9%            |
| SAU800551     | MCA102445       | 25%      | 72.3%          | 92.3%            |
| SAU800551     | MAV102283       | 22%      | 70.2%          | 87.7%            |
| SAU800551     | PAE201134       | 60%      | 96.6%          | 97.3%            |
| SAU800551     | PPU111301       | 22%      | 71.6%          | 90.2%            |
| SAU800551     | PSY102809       | 24%      | 77.4%          | 96.4%            |
| SAU800551     | SAU800551       | 100%     | 100%           | 100%             |
| SAU800551     | SEP202065       | 26%      | 68.8%          | 84.3%            |
| SAU800551     | SHA102397       | 23%      | 51.4%          | 60.1%            |
| SAU800555     | BAN109841       | 26%      | 96.9%          | 91.5%            |
| SAU800555     | CBO100592       | 24%      | 91.6%          | 88.5%            |
| SAU800555     | EFA200270       | 24%      | 93.0%          | 87.2%            |
| SAU800555     | MLP101061       | 24%      | 58.1%          | 37.0%            |
| SAU800555     | MTU202199       | 23%      | 48.9%          | 94.1%            |
| SAU800555     | NME200581       | 32%      | 44.9%          | 62.9%            |
| SAU800555     | STM103706       | 29%      | 58.1%          | 84.0%            |
| SAU800555     | SAU800555       | 100%     | 100%           | 100%             |
| SAU800555     | SEP200091       | 67%      | 99.6%          | 97.8%            |
| SAU800555     | SHA101303       | 61%      | 99.6%          | 97.0%            |
| SAU800555     | YPS002018       | 30%      | 58.1%          | 84.0%            |
| SAU800561     | BAN100965       | 21%      | 30.7%          | 16.5%            |
| SAU800561     | BAN111001       | 20%      | 63.5%          | 67.3%            |
| SAU800561     | BAN109365       | 19%      | 19.1%          | 37.5%            |
| SAU800561     | BFR100579       | 18%      | 10.0%          | 13.4%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800561     | BFR102947       | 19%      | 10.0%          | 16.5%            |
| SAU800561     | BFR101444       | 18%      | 11.3%          | 19.3%            |
| SAU800561     | BBU100325       | 21%      | 21.7%          | 19.2%            |
| SAU800561     | BFU103969       | 74%      | 2.8%           | 39.8%            |
| SAU800561     | BMA103470       | 49%      | 10.6%          | 32.7%            |
| SAU800561     | BMA101165       | 47%      | 7.9%           | 15.2%            |
| SAU800561     | BMA104606       | 30%      | 16.6%          | 64.3%            |
| SAU800561     | CJU101103       | 20%      | 23.8%          | 25.8%            |
| SAU800561     | CPN200033       | 15%      | 12.6%          | 19.6%            |
| SAU800561     | CAC102616       | 26%      | 18.0%          | 82.7%            |
| SAU800561     | CBO103272       | 17%      | 24.9%          | 65.8%            |
| SAU800561     | CBO103679       | 27%      | 10.8%          | 20.8%            |
| SAU800561     | CDF101661       | 25%      | 20.5%          | 89.2%            |
| SAU800561     | CDP102558       | 31%      | 7.7%           | 6.4%             |
| SAU800561     | CDP101308       | 33%      | 24.7%          | 25.7%            |
| SAU800561     | CDP101991       | 34%      | 24.0%          | 14.7%            |
| SAU800561     | EFA203524       | 21%      | 53.9%          | 78.5%            |
| SAU800561     | EFM201664       | 22%      | 22.1%          | 74.6%            |
| SAU800561     | EFM201584       | 17%      | 12.1%          | 47.6%            |
| SAU800561     | HPY200074       | 16%      | 21.7%          | 26.6%            |
| SAU800561     | KPN206267       | 43%      | 54.6%          | 44.6%            |
| SAU800561     | LPN101461       | 33%      | 52.0%          | 60.9%            |
| SAU800561     | LMO102167       | 44%      | 23.0%          | 44.5%            |
| SAU800561     | MCA100440       | 42%      | 8.7%           | 6.0%             |
| SAU800561     | MAV104123       | 28%      | 5.7%           | 57.1%            |
| SAU800561     | MBV101055       | 34%      | 7.3%           | 7.9%             |
| SAU800561     | MLP100905       | 33%      | 4.1%           | 9.0%             |
| SAU800561     | MTU202408       | 34%      | 7.3%           | 7.6%             |
| SAU800561     | MGE100318       | 23%      | 21.9%          | 20.2%            |
| SAU800561     | MPN100275       | 12%      | 20.6%          | 15.5%            |
| SAU800561     | NME201599       | 17%      | 8.4%           | 12.6%            |
| SAU800561     | PAE203113       | 23%      | 17.4%          | 22.7%            |
| SAU800561     | PSY103818       | 30%      | 14.0%          | 57.4%            |
| SAU800561     | SPA103181       | 24%      | 10.5%          | 39.9%            |
| SAU800561     | STM102835       | 24%      | 16.3%          | 12.0%            |
| SAU800561     | SAU800563       | 49%      | 97.5%          | 6.6%             |
| SAU800561     | SAU800562       | 65%      | 65.5%          | 34.3%            |
| SAU800561     | SAU800561       | 100%     | 100%           | 100%             |
| SAU800561     | SEP200110       | 39%      | 89.7%          | 13.9%            |
| SAU800561     | SHA100540       | 33%      | 16.1%          | 98.3%            |
| SAU800561     | SHA102998       | 33%      | 16.1%          | 80.1%            |
| SAU800561     | SHA100562       | 48%      | 58.0%          | 13.4%            |
| SAU800561     | SMU100747       | 21%      | 65.3%          | 97.7%            |
| SAU800561     | SMU102548       | 21%      | 60.7%          | 29.6%            |
| SAU800561     | SPN401402       | 21%      | 8.1%           | 68.6%            |
| SAU800561     | SPY201545       | 20%      | 25.1%          | 63.1%            |
| SAU800561     | TPA100366       | 42%      | 2.7%           | 36.2%            |
| SAU800562     | BAN100965       | 25%      | 5.7%           | 7.2%             |
| SAU800562     | BAN110134       | 23%      | 34.7%          | 51.3%            |
| SAU800562     | BAN111001       | 19%      | 66.6%          | 69.3%            |
| SAU800562     | BAN109365       | 18%      | 65.4%          | 22.0%            |
| SAU800562     | BAN104198       | 20%      | 40.1%          | 43.1%            |
| SAU800562     | BFR100579       | 19%      | 7.1%           | 14.3%            |
| SAU800562     | BFR102947       | 19%      | 8.6%           | 16.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800562     | BFR101444       | 18%      | 7.8%           | 19.3%            |
| SAU800562     | BBU100545       | 25%      | 12.3%          | 67.8%            |
| SAU800562     | BBU100325       | 19%      | 16.8%          | 19.2%            |
| SAU800562     | BFU103969       | 53%      | 9.5%           | 39.8%            |
| SAU800562     | BMA104606       | 30%      | 14.9%          | 49.4%            |
| SAU800562     | BMA103470       | 49%      | 16.2%          | 32.7%            |
| SAU800562     | BMA101165       | 47%      | 7.3%           | 15.2%            |
| SAU800562     | CJU101103       | 20%      | 17.2%          | 31.5%            |
| SAU800562     | CPN200033       | 14%      | 59.6%          | 34.6%            |
| SAU800562     | CAC102616       | 20%      | 14.4%          | 99.5%            |
| SAU800562     | CBO103272       | 16%      | 18.7%          | 72.8%            |
| SAU800562     | CBO103679       | 24%      | 6.3%           | 18.8%            |
| SAU800562     | CDF102641       | 20%      | 54.5%          | 78.4%            |
| SAU800562     | CDF101661       | 26%      | 22.2%          | 55.7%            |
| SAU800562     | CDP101308       | 26%      | 32.2%          | 56.5%            |
| SAU800562     | CDP101991       | 31%      | 36.5%          | 30.2%            |
| SAU800562     | EFA203524       | 22%      | 44.2%          | 88.2%            |
| SAU800562     | EFM201062       | 38%      | 5.0%           | 65.1%            |
| SAU800562     | EFM201664       | 25%      | 26.3%          | 78.5%            |
| SAU800562     | EFM201584       | 16%      | 8.3%           | 47.6%            |
| SAU800562     | EFM201162       | 27%      | 36.6%          | 16.2%            |
| SAU800562     | HPY200074       | 17%      | 18.2%          | 30.3%            |
| SAU800562     | KPN206267       | 51%      | 33.1%          | 38.8%            |
| SAU800562     | LPN101461       | 36%      | 64.8%          | 46.3%            |
| SAU800562     | LMO102167       | 46%      | 17.3%          | 47.0%            |
| SAU800562     | MCA100440       | 42%      | 3.1%           | 6.0%             |
| SAU800562     | MAV104123       | 29%      | 1.2%           | 57.1%            |
| SAU800562     | MBV101055       | 32%      | 4.1%           | 10.4%            |
| SAU800562     | MLP100905       | 32%      | 2.8%           | 9.0%             |
| SAU800562     | MTU202408       | 32%      | 4.1%           | 10.0%            |
| SAU800562     | MGE100318       | 21%      | 64.0%          | 40.1%            |
| SAU800562     | MPN100275       | 11%      | 17.3%          | 22.6%            |
| SAU800562     | NME100865       | 22%      | 28.2%          | 70.4%            |
| SAU800562     | PAE203113       | 22%      | 11.0%          | 24.3%            |
| SAU800562     | PSY101467       | 15%      | 13.9%          | 47.5%            |
| SAU800562     | PSY108790       | 15%      | 60.5%          | 17.8%            |
| SAU800562     | PSY103818       | 29%      | 7.9%           | 56.8%            |
| SAU800562     | SPA103181       | 24%      | 0.5%           | 32.9%            |
| SAU800562     | STM102835       | 22%      | 2.5%           | 30.5%            |
| SAU800562     | SAU800562       | 100%     | 100%           | 100%             |
| SAU800562     | SEP200110       | 41%      | 46.4%          | 7.5%             |
| SAU800562     | SHA100540       | 33%      | 18.1%          | 85.7%            |
| SAU800562     | SHA102998       | 28%      | 97.1%          | 62.1%            |
| SAU800562     | SHA100562       | 50%      | 96.4%          | 87.2%            |
| SAU800562     | SMU102548       | 23%      | 18.1%          | 20.7%            |
| SAU800562     | SMU100747       | 28%      | 12.1%          | 27.4%            |
| SAU800562     | SPN401402       | 22%      | 12.8%          | 30.5%            |
| SAU800562     | SPY201545       | 20%      | 19.3%          | 70.2%            |
| SAU800566     | BFR10892        | 23%      | 46.2%          | 11.2%            |
| SAU800566     | BPT101393       | 33%      | 87.0%          | 94.7%            |
| SAU800566     | BCE106700       | 35%      | 89.0%          | 89.5%            |
| SAU800566     | BFU102591       | 36%      | 89.0%          | 96.6%            |
| SAU800566     | BMA107940       | 35%      | 89.0%          | 91.1%            |
| SAU800566     | KPN108431       | 19%      | 88.7%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800566     | NGO100865       | 35%      | 89.0%          | 99.2%            |
| SAU800566     | NME200935       | 35%      | 89.0%          | 99.2%            |
| SAU800566     | PAE205534       | 18%      | 84.2%          | 92.6%            |
| SAU800566     | PPU111596       | 29%      | 33.9%          | 29.0%            |
| SAU800566     | PSY105601       | 24%      | 48.3%          | 49.5%            |
| SAU800566     | SAU800566       | 100%     | 100%           | 100%             |
| SAU800566     | SEP200115       | 88%      | 100%           | 100%             |
| SAU800566     | SHA101796       | 89%      | 100%           | 100%             |
| SAU800588     | ABA104878       | 45%      | 94.8%          | 42.9%            |
| SAU800588     | BAN106141       | 49%      | 97.0%          | 100%             |
| SAU800588     | BAN102570       | 62%      | 99.7%          | 100%             |
| SAU800588     | BFR101415       | 45%      | 99.7%          | 98.2%            |
| SAU800588     | BBU100588       | 34%      | 90.5%          | 88.4%            |
| SAU800588     | BCE113410       | 43%      | 80.5%          | 94.7%            |
| SAU800588     | BFU103363       | 43%      | 98.2%          | 94.5%            |
| SAU800588     | CJU100638       | 47%      | 96.3%          | 62.7%            |
| SAU800588     | CAC102832       | 44%      | 98.8%          | 98.5%            |
| SAU800588     | CBO102063       | 52%      | 50%            | 90.4%            |
| SAU800588     | CDF102626       | 25%      | 92.1%          | 87.1%            |
| SAU800588     | CDP101294       | 50%      | 97.0%          | 69.2%            |
| SAU800588     | EBC104962       | 42%      | 94.8%          | 43.1%            |
| SAU800588     | EFA202248       | 59%      | 99.1%          | 98.8%            |
| SAU800588     | EFM200028       | 53%      | 62.2%          | 99.5%            |
| SAU800588     | ECO102255       | 42%      | 94.8%          | 43.0%            |
| SAU800588     | HIN101176       | 44%      | 94.8%          | 43.2%            |
| SAU800588     | HPY200837       | 47%      | 97.3%          | 60.9%            |
| SAU800588     | KPN305976       | 42%      | 94.8%          | 43.2%            |
| SAU800588     | LPN102073       | 25%      | 90.5%          | 57.7%            |
| SAU800588     | LMO100950       | 62%      | 99.7%          | 99.4%            |
| SAU800588     | MCA101508       | 44%      | 98.2%          | 64.8%            |
| SAU800588     | MAV101929       | 47%      | 93.9%          | 43.9%            |
| SAU800588     | MBV102834       | 47%      | 94.5%          | 44.5%            |
| SAU800588     | MTU200407       | 47%      | 94.5%          | 44.5%            |
| SAU800588     | MGE100305       | 40%      | 99.1%          | 99.4%            |
| SAU800588     | MPN100413       | 40%      | 99.1%          | 99.4%            |
| SAU800588     | NGO100804       | 45%      | 94.8%          | 61.4%            |
| SAU800588     | NME200777       | 45%      | 94.8%          | 61.4%            |
| SAU800588     | PMU100705       | 44%      | 94.8%          | 43.1%            |
| SAU800588     | PRT100628       | 45%      | 94.2%          | 43.1%            |
| SAU800588     | PAE200834       | 43%      | 94.2%          | 43.3%            |
| SAU800588     | PPU103956       | 40%      | 94.8%          | 44.6%            |
| SAU800588     | PSY102379       | 39%      | 97.3%          | 46.1%            |
| SAU800588     | SPA101028       | 57%      | 37.8%          | 86.9%            |
| SAU800588     | STY100983       | 42%      | 94.8%          | 43.0%            |
| SAU800588     | STM100723       | 42%      | 94.8%          | 43.0%            |
| SAU800588     | SAU800588       | 100%     | 100%           | 100%             |
| SAU800588     | SEP200137       | 87%      | 100%           | 100%             |
| SAU800588     | SHA101700       | 84%      | 100%           | 100%             |
| SAU800588     | SMU100210       | 58%      | 98.8%          | 97.3%            |
| SAU800588     | SPN401007       | 55%      | 99.1%          | 99.1%            |
| SAU800588     | SPY200858       | 56%      | 99.1%          | 97.6%            |
| SAU800588     | TPA100093       | 37%      | 94.2%          | 94.3%            |
| SAU800588     | UUR100064       | 25%      | 80.5%          | 87.7%            |
| SAU800588     | VCH101078       | 44%      | 95.4%          | 43.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800588     | YPS000496       | 43%      | 94.8%          | 42.8%            |
| SAU800589     | BAN101408       | 59%      | 43.9%          | 91.1%            |
| SAU800589     | BAN105953       | 46%      | 73.7%          | 97.3%            |
| SAU800589     | BAN102397       | 52%      | 94.2%          | 94.3%            |
| SAU800589     | EFA201382       | 39%      | 80.9%          | 81.3%            |
| SAU800589     | LMO102312       | 42%      | 94.2%          | 95.3%            |
| SAU800589     | PAE204284       | 28%      | 41.0%          | 52.9%            |
| SAU800589     | PPU107435       | 21%      | 53.6%          | 63.2%            |
| SAU800589     | SAU800589       | 100%     | 100%           | 100%             |
| SAU800589     | SEP200138       | 82%      | 99.6%          | 99.3%            |
| SAU800589     | SHA101701       | 86%      | 98.2%          | 97.5%            |
| SAU800589     | SPY200934       | 37%      | 87.1%          | 85.9%            |
| SAU800591     | BBU100685       | 32%      | 95.7%          | 96.8%            |
| SAU800591     | EFA200383       | 56%      | 99.1%          | 94.7%            |
| SAU800591     | EFM202057       | 56%      | 98.8%          | 99.1%            |
| SAU800591     | LPN101401       | 32%      | 87.2%          | 91.1%            |
| SAU800591     | LMO100508       | 50%      | 91.1%          | 91.6%            |
| SAU800591     | SAU800591       | 100%     | 100%           | 100%             |
| SAU800591     | SEP200140       | 72%      | 100%           | 100%             |
| SAU800591     | SHA101704       | 73%      | 100%           | 100%             |
| SAU800591     | SMU100935       | 37%      | 91.4%          | 90.6%            |
| SAU800591     | SPN400339       | 39%      | 89.6%          | 82.8%            |
| SAU800591     | SPY200652       | 41%      | 90.5%          | 91.7%            |
| SAU800592     | BBU100686       | 22%      | 49.7%          | 52.4%            |
| SAU800592     | EFA200384       | 44%      | 100%           | 97.0%            |
| SAU800592     | EFM200671       | 45%      | 100%           | 98.6%            |
| SAU800592     | LMO101877       | 38%      | 98.3%          | 95.8%            |
| SAU800592     | SAU800592       | 100%     | 100%           | 100%             |
| SAU800592     | SEP200141       | 79%      | 100%           | 100%             |
| SAU800592     | SHA101705       | 79%      | 59.8%          | 100%             |
| SAU800592     | SMU100938       | 29%      | 97.8%          | 97.6%            |
| SAU800592     | SPN400340       | 27%      | 97.8%          | 96.7%            |
| SAU800592     | SPY200653       | 27%      | 96.1%          | 94.9%            |
| SAU800593     | BAN113008       | 60%      | 65.5%          | 100%             |
| SAU800593     | BAN105544       | 62%      | 63.7%          | 100%             |
| SAU800593     | BMA108446       | 27%      | 41.6%          | 14.9%            |
| SAU800593     | BMA103867       | 25%      | 53.1%          | 14.6%            |
| SAU800593     | BMA106771       | 24%      | 64.6%          | 14.9%            |
| SAU800593     | SAU800593       | 100%     | 100%           | 100%             |
| SAU800593     | SEP200142       | 84%      | 100%           | 100%             |
| SAU800593     | SHA100809       | 88%      | 98.2%          | 98.2%            |
| SAU800593     | SPN401580       | 54%      | 30.1%          | 33.7%            |
| SAU800600     | ABA101949       | 30%      | 92.9%          | 89.5%            |
| SAU800600     | BAN104442       | 45%      | 96.5%          | 99.3%            |
| SAU800600     | BAN102029       | 44%      | 97.8%          | 98.7%            |
| SAU800600     | BFR100585       | 29%      | 95.8%          | 83.5%            |
| SAU800600     | BPT100971       | 31%      | 95.5%          | 86.9%            |
| SAU800600     | BBU100527       | 29%      | 93.3%          | 89.8%            |
| SAU800600     | BCE111954       | 31%      | 87.8%          | 87.5%            |
| SAU800600     | BFU109580       | 33%      | 97.8%          | 93.6%            |
| SAU800600     | BFU100521       | 34%      | 95.5%          | 91.2%            |
| SAU800600     | BFU100523       | 36%      | 92.6%          | 89.4%            |
| SAU800600     | BMA108987       | 27%      | 96.5%          | 96.6%            |
| SAU800600     | CBO101231       | 26%      | 96.2%          | 73.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800600     | CDF101932       | 26%      | 98.1%          | 74.0%            |
| SAU800600     | CDP100172       | 25%      | 97.1%          | 88.5%            |
| SAU800600     | EBC102052       | 31%      | 97.1%          | 91.6%            |
| SAU800600     | EFM202426       | 53%      | 97.4%          | 98.1%            |
| SAU800600     | ECO101739       | 33%      | 97.1%          | 97.2%            |
| SAU800600     | HPY101176       | 31%      | 86.2%          | 83.3%            |
| SAU800600     | KPN304964       | 31%      | 98.1%          | 93.7%            |
| SAU800600     | LPN100428       | 33%      | 98.1%          | 93.2%            |
| SAU800600     | LMO100594       | 30%      | 98.1%          | 95.8%            |
| SAU800600     | MAV104842       | 33%      | 97.1%          | 93.3%            |
| SAU800600     | MBV103911       | 31%      | 83.0%          | 70.7%            |
| SAU800600     | MLP100283       | 32%      | 94.2%          | 88.0%            |
| SAU800600     | MTU202264       | 31%      | 83.0%          | 77.7%            |
| SAU800600     | PAE202533       | 33%      | 94.2%          | 90.6%            |
| SAU800600     | PPU106661       | 27%      | 95.8%          | 94.9%            |
| SAU800600     | PSY100479       | 33%      | 93.6%          | 89.7%            |
| SAU800600     | SPA101563       | 32%      | 93.6%          | 93.4%            |
| SAU800600     | STY103216       | 33%      | 98.4%          | 93.9%            |
| SAU800600     | STM100076       | 29%      | 94.9%          | 94.5%            |
| SAU800600     | SAU800600       | 100%     | 100%           | 100%             |
| SAU800600     | SEP200145       | 78%      | 99.7%          | 99.7%            |
| SAU800600     | SHA100813       | 79%      | 99.7%          | 100%             |
| SAU800600     | SMU100710       | 28%      | 84.3%          | 95.4%            |
| SAU800600     | VCH100654       | 31%      | 97.8%          | 94.9%            |
| SAU800600     | YPS002522       | 35%      | 96.2%          | 91.8%            |
| SAU800601     | BAN113282       | 46%      | 66.9%          | 95.9%            |
| SAU800601     | BAN101095       | 43%      | 96.1%          | 93.9%            |
| SAU800601     | BPT103683       | 23%      | 61.2%          | 51.4%            |
| SAU800601     | BFU105807       | 30%      | 36.5%          | 18.0%            |
| SAU800601     | BMA104764       | 23%      | 50.6%          | 44.8%            |
| SAU800601     | CAC103679       | 29%      | 51.1%          | 47.9%            |
| SAU800601     | CAC102966       | 25%      | 93.3%          | 92.4%            |
| SAU800601     | CAC100169       | 29%      | 51.1%          | 47.9%            |
| SAU800601     | CBO102960       | 31%      | 49.4%          | 50.3%            |
| SAU800601     | CDF102353       | 26%      | 50.6%          | 49.5%            |
| SAU800601     | ECO100876       | 27%      | 51.7%          | 47.4%            |
| SAU800601     | KPN203154       | 41%      | 16.3%          | 11.2%            |
| SAU800601     | LMO101606       | 22%      | 77.5%          | 75.4%            |
| SAU800601     | SAU800601       | 100%     | 100%           | 100%             |
| SAU800601     | SEP201386       | 39%      | 84.3%          | 96.7%            |
| SAU800601     | SHA100814       | 71%      | 99.4%          | 99.4%            |
| SAU800601     | SPN401766       | 45%      | 21.9%          | 17.9%            |
| SAU800605     | ABA103635       | 31%      | 93.5%          | 90.6%            |
| SAU800605     | BAN108675       | 67%      | 57.7%          | 100%             |
| SAU800605     | BAN104327       | 67%      | 100%           | 97.7%            |
| SAU800605     | BPT100337       | 27%      | 99.1%          | 96.2%            |
| SAU800605     | BCE114807       | 41%      | 99.4%          | 87.4%            |
| SAU800605     | BFU103004       | 41%      | 99.4%          | 99.1%            |
| SAU800605     | BMA100537       | 41%      | 99.4%          | 97.9%            |
| SAU800605     | CJU101457       | 30%      | 98.5%          | 94.1%            |
| SAU800605     | CDP101455       | 39%      | 99.4%          | 96.8%            |
| SAU800605     | EBC101366       | 68%      | 99.4%          | 98.8%            |
| SAU800605     | EFA200493       | 68%      | 99.7%          | 98.8%            |
| SAU800605     | EFM202247       | 24%      | 93.2%          | 91.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800605     | ECO101449       | 69%      | 100%           | 96.5%            |
| SAU800605     | HIN100176       | 26%      | 96.7%          | 94.4%            |
| SAU800605     | HPY101087       | 26%      | 98.5%          | 95.7%            |
| SAU800605     | KPN305086       | 68%      | 99.4%          | 98.8%            |
| SAU800605     | LPN102926       | 33%      | 89.9%          | 87.9%            |
| SAU800605     | MCA102268       | 27%      | 82.4%          | 97.9%            |
| SAU800605     | MAV103580       | 26%      | 92.6%          | 90.8%            |
| SAU800605     | MBV103685       | 26%      | 92.6%          | 90.8%            |
| SAU800605     | MLP101064       | 28%      | 93.8%          | 87.8%            |
| SAU800605     | MTU203005       | 26%      | 92.6%          | 90.8%            |
| SAU800605     | MPN100278       | 26%      | 81.5%          | 79.5%            |
| SAU800605     | NGO101474       | 64%      | 99.4%          | 96.0%            |
| SAU800605     | NME200668       | 64%      | 99.4%          | 96.5%            |
| SAU800605     | PAE205422       | 42%      | 99.7%          | 98.0%            |
| SAU800605     | PPU110079       | 64%      | 100%           | 98.5%            |
| SAU800605     | PSY104861       | 32%      | 93.8%          | 90.4%            |
| SAU800605     | SPA101864       | 69%      | 100%           | 97.1%            |
| SAU800605     | STY104200       | 69%      | 100%           | 99.4%            |
| SAU800605     | STM100346       | 69%      | 100%           | 99.4%            |
| SAU800605     | SAU800605       | 100%     | 100%           | 100%             |
| SAU800605     | SEP200161       | 87%      | 99.4%          | 98.2%            |
| SAU800605     | SMU101451       | 27%      | 96.7%          | 96.0%            |
| SAU800605     | SPN400262       | 64%      | 100%           | 99.4%            |
| SAU800605     | SPY200034       | 60%      | 100%           | 99.4%            |
| SAU800607     | ABA102360       | 39%      | 93.5%          | 94.1%            |
| SAU800607     | BAN111999       | 37%      | 99.5%          | 99.6%            |
| SAU800607     | BAN110976       | 56%      | 100%           | 100%             |
| SAU800607     | BFR10875        | 22%      | 99.1%          | 99.5%            |
| SAU800607     | BPT101508       | 40%      | 99.6%          | 99.8%            |
| SAU800607     | BBU100593       | 25%      | 97.8%          | 97.3%            |
| SAU800607     | BCE100461       | 40%      | 98.7%          | 99.2%            |
| SAU800607     | BFU103077       | 40%      | 98.7%          | 99.2%            |
| SAU800607     | BMA100457       | 39%      | 98.9%          | 98.0%            |
| SAU800607     | CJU101100       | 35%      | 94.8%          | 96.8%            |
| SAU800607     | CPN200176       | 21%      | 95.8%          | 97.9%            |
| SAU800607     | CTR200729       | 20%      | 94.2%          | 95.2%            |
| SAU800607     | CAC101790       | 25%      | 94.2%          | 95.6%            |
| SAU800607     | CBO100741       | 23%      | 94.2%          | 95.6%            |
| SAU800607     | CDF104545       | 27%      | 95.8%          | 96.8%            |
| SAU800607     | CDP100057       | 41%      | 98.9%          | 98.4%            |
| SAU800607     | EBC101120       | 27%      | 40.1%          | 73.6%            |
| SAU800607     | EFA200290       | 24%      | 98.7%          | 99.5%            |
| SAU800607     | EFM201011       | 23%      | 94.2%          | 95.2%            |
| SAU800607     | ECO101844       | 25%      | 98.9%          | 99.7%            |
| SAU800607     | HIN101550       | 26%      | 98.9%          | 99.7%            |
| SAU800607     | HPY100315       | 38%      | 94.9%          | 97.0%            |
| SAU800607     | KPN301304       | 25%      | 98.9%          | 99.7%            |
| SAU800607     | LPN101161       | 41%      | 94.8%          | 95.2%            |
| SAU800607     | LMO101656       | 55%      | 100%           | 100%             |
| SAU800607     | MCA100331       | 26%      | 98.9%          | 99.7%            |
| SAU800607     | MAV106525       | 41%      | 97.3%          | 97.5%            |
| SAU800607     | MBV105559       | 40%      | 97.3%          | 97.5%            |
| SAU800607     | MLP100693       | 40%      | 94.6%          | 94.4%            |
| SAU800607     | MTU201275       | 40%      | 97.3%          | 97.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800607     | MGE100389       | 31%      | 94.8%          | 96.5%            |
| SAU800607     | MPN100286       | 33%      | 94.0%          | 95.7%            |
| SAU800607     | NGO100228       | 24%      | 98.6%          | 99.3%            |
| SAU800607     | NME201566       | 23%      | 98.6%          | 99.3%            |
| SAU800607     | PMU100551       | 26%      | 95.7%          | 99.1%            |
| SAU800607     | PRT100545       | 25%      | 98.9%          | 99.7%            |
| SAU800607     | PAE205046       | 23%      | 98.9%          | 98.6%            |
| SAU800607     | PPU109126       | 23%      | 98.9%          | 98.6%            |
| SAU800607     | PSY103569       | 22%      | 99.3%          | 99.7%            |
| SAU800607     | SPA103053       | 24%      | 98.9%          | 99.7%            |
| SAU800607     | STY102666       | 25%      | 98.9%          | 99.7%            |
| SAU800607     | STM102429       | 25%      | 98.9%          | 99.7%            |
| SAU800607     | SAU800607       | 100%     | 100%           | 100%             |
| SAU800607     | SEP200171       | 84%      | 100%           | 100%             |
| SAU800607     | SHA101545       | 84%      | 100%           | 100%             |
| SAU800607     | SMU101264       | 26%      | 98.2%          | 98.9%            |
| SAU800607     | SPN401887       | 25%      | 98.7%          | 99.5%            |
| SAU800607     | SPY201643       | 25%      | 94.2%          | 95.4%            |
| SAU800607     | TPA100822       | 25%      | 94.2%          | 94.4%            |
| SAU800607     | UUR100280       | 39%      | 98.9%          | 99.6%            |
| SAU800607     | VCH102042       | 24%      | 98.9%          | 96.0%            |
| SAU800607     | YPS003380       | 26%      | 97.5%          | 99.0%            |
| SAU800637     | BAN101684       | 46%      | 96.6%          | 69.9%            |
| SAU800637     | BAN104283       | 51%      | 96.6%          | 47.6%            |
| SAU800637     | BPT102745       | 32%      | 73.9%          | 77.4%            |
| SAU800637     | BCE106238       | 39%      | 92.0%          | 81%              |
| SAU800637     | BFU103333       | 38%      | 89.8%          | 50.8%            |
| SAU800637     | BMA109972       | 36%      | 89.8%          | 53.9%            |
| SAU800637     | CJU101365       | 31%      | 87.5%          | 98.2%            |
| SAU800637     | CAC103450       | 36%      | 98.1%          | 63.5%            |
| SAU800637     | CDP101641       | 31%      | 88.3%          | 93.8%            |
| SAU800637     | EFA200265       | 52%      | 94.7%          | 58.6%            |
| SAU800637     | EFM200599       | 41%      | 97.7%          | 63.1%            |
| SAU800637     | KPN305026       | 45%      | 68.6%          | 97.8%            |
| SAU800637     | LPN103143       | 41%      | 75.4%          | 42.0%            |
| SAU800637     | LMO100876       | 50%      | 98.1%          | 79.9%            |
| SAU800637     | MAV105759       | 31%      | 87.5%          | 89.9%            |
| SAU800637     | MBV104256       | 31%      | 87.5%          | 88.3%            |
| SAU800637     | MLP100082       | 30%      | 87.5%          | 88.6%            |
| SAU800637     | MTU203726       | 31%      | 87.5%          | 88.3%            |
| SAU800637     | NME200186       | 37%      | 74.6%          | 89.8%            |
| SAU800637     | PMU100781       | 34%      | 75%            | 90.0%            |
| SAU800637     | PAE201385       | 37%      | 90.9%          | 56.9%            |
| SAU800637     | PPU108273       | 31%      | 93.6%          | 61.2%            |
| SAU800637     | PSY104047       | 37%      | 88.6%          | 52.0%            |
| SAU800637     | SPA103757       | 40%      | 70.8%          | 79.7%            |
| SAU800637     | STY101910       | 40%      | 70.8%          | 79.7%            |
| SAU800637     | STM101649       | 40%      | 70.8%          | 79.7%            |
| SAU800637     | SAU800637       | 100%     | 100%           | 100%             |
| SAU800637     | SEP200217       | 83%      | 100%           | 100%             |
| SAU800637     | SHA100118       | 81%      | 100%           | 100%             |
| SAU800637     | SMU100176       | 36%      | 94.3%          | 62.7%            |
| SAU800637     | SPY200583       | 37%      | 87.9%          | 59.1%            |
| SAU800637     | VCH100245       | 36%      | 79.2%          | 76.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800641     | BFR11919        | 28%      | 87.9%          | 29.2%            |
| SAU800641     | BFR11393        | 28%      | 89.4%          | 29.6%            |
| SAU800641     | BPT100821       | 47%      | 27.3%          | 22.2%            |
| SAU800641     | BCE113991       | 28%      | 70.5%          | 59.0%            |
| SAU800641     | BFU109291       | 28%      | 70.5%          | 53.4%            |
| SAU800641     | BMA106229       | 29%      | 70.5%          | 59.0%            |
| SAU800641     | CJU101075       | 31%      | 97.0%          | 28.2%            |
| SAU800641     | EBC103920       | 30%      | 94.7%          | 27.5%            |
| SAU800641     | EFA201297       | 60%      | 96.2%          | 97.7%            |
| SAU800641     | EFM100213       | 57%      | 55.3%          | 91.5%            |
| SAU800641     | ECO102986       | 30%      | 94.7%          | 27.5%            |
| SAU800641     | HIN101495       | 29%      | 94.7%          | 27.5%            |
| SAU800641     | KPN308271       | 30%      | 94.7%          | 27.5%            |
| SAU800641     | LMO101198       | 71%      | 95.5%          | 99.2%            |
| SAU800641     | MAV104245       | 32%      | 90.2%          | 91.9%            |
| SAU800641     | NGO100989       | 31%      | 69.7%          | 56.0%            |
| SAU800641     | NME200331       | 30%      | 72.0%          | 57.7%            |
| SAU800641     | PMU100884       | 35%      | 51.5%          | 14.7%            |
| SAU800641     | SPA102480       | 30%      | 94.7%          | 28.3%            |
| SAU800641     | STY100790       | 30%      | 99.2%          | 28.7%            |
| SAU800641     | SAU800641       | 100%     | 100%           | 100%             |
| SAU800641     | SEP200670       | 94%      | 100%           | 100%             |
| SAU800641     | SHA100548       | 90%      | 78.0%          | 100%             |
| SAU800641     | YPS001982       | 33%      | 94.7%          | 27.5%            |
| SAU800680     | ABA104575       | 44%      | 94.1%          | 85.5%            |
| SAU800680     | BAN101585       | 39%      | 98.9%          | 97.4%            |
| SAU800680     | BAN112177       | 45%      | 98.4%          | 97.4%            |
| SAU800680     | BFR104201       | 41%      | 69.7%          | 89.1%            |
| SAU800680     | BPT100746       | 40%      | 95.2%          | 86.1%            |
| SAU800680     | BCE110211       | 45%      | 96.3%          | 93.8%            |
| SAU800680     | BFU106340       | 44%      | 93.6%          | 93.1%            |
| SAU800680     | BMA103155       | 45%      | 96.3%          | 92.8%            |
| SAU800680     | CJU100047       | 25%      | 65.4%          | 63.2%            |
| SAU800680     | CBO100465       | 48%      | 96.3%          | 94.3%            |
| SAU800680     | CDP102654       | 39%      | 92.6%          | 42.8%            |
| SAU800680     | EFA201956       | 41%      | 99.5%          | 96.4%            |
| SAU800680     | EFM202384       | 39%      | 83.5%          | 82.7%            |
| SAU800680     | KPN300536       | 54%      | 75.5%          | 100%             |
| SAU800680     | LPN102317       | 37%      | 93.6%          | 92.6%            |
| SAU800680     | MCA100065       | 41%      | 94.7%          | 84.4%            |
| SAU800680     | MAV103187       | 35%      | 80.9%          | 49.7%            |
| SAU800680     | MBV100232       | 37%      | 74.5%          | 91.4%            |
| SAU800680     | MLP100652       | 33%      | 93.1%          | 93.0%            |
| SAU800680     | MTU201189       | 36%      | 81.9%          | 81.8%            |
| SAU800680     | NGO101834       | 24%      | 90.4%          | 80.5%            |
| SAU800680     | NME202039       | 26%      | 79.3%          | 70.5%            |
| SAU800680     | PRT102028       | 46%      | 100%           | 97.9%            |
| SAU800680     | PAE204918       | 43%      | 96.3%          | 92.8%            |
| SAU800680     | PPU107578       | 41%      | 95.2%          | 91.8%            |
| SAU800680     | PSY104404       | 25%      | 94.7%          | 55.0%            |
| SAU800680     | SPA101481       | 20%      | 56.9%          | 24.8%            |
| SAU800680     | SAU800680       | 100%     | 100%           | 100%             |
| SAU800680     | SEP200723       | 81%      | 100%           | 100%             |
| SAU800680     | SHA100242       | 81%      | 100%           | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800699     | BAN102886       | 47%      | 98.4%          | 99.3%            |
| SAU800699     | BAN102711       | 48%      | 98.4%          | 99.3%            |
| SAU800699     | BBU100629       | 42%      | 98.0%          | 98.0%            |
| SAU800699     | BCE112651       | 28%      | 97.1%          | 89.6%            |
| SAU800699     | BMA107539       | 27%      | 95.8%          | 59.4%            |
| SAU800699     | CAC103266       | 34%      | 97.4%          | 98.7%            |
| SAU800699     | CBO101253       | 42%      | 97.4%          | 99.7%            |
| SAU800699     | CDF104515       | 43%      | 98.0%          | 99.0%            |
| SAU800699     | CDP100365       | 29%      | 91.5%          | 92.5%            |
| SAU800699     | EBC102987       | 29%      | 92.2%          | 92.3%            |
| SAU800699     | EFA201059       | 44%      | 98.0%          | 98.4%            |
| SAU800699     | EFM101242       | 43%      | 99.3%          | 100%             |
| SAU800699     | ECO101691       | 30%      | 95.8%          | 97.1%            |
| SAU800699     | HIN100427       | 30%      | 99.3%          | 99.0%            |
| SAU800699     | KPN300446       | 35%      | 36.3%          | 91.1%            |
| SAU800699     | KPN301962       | 28%      | 98.0%          | 99.0%            |
| SAU800699     | LMO100871       | 44%      | 99.7%          | 99.3%            |
| SAU800699     | MBV102255       | 26%      | 95.4%          | 87.9%            |
| SAU800699     | MLP100531       | 19%      | 88.2%          | 85.8%            |
| SAU800699     | MTU201996       | 26%      | 95.4%          | 87.9%            |
| SAU800699     | MGE100065       | 25%      | 81.4%          | 96.1%            |
| SAU800699     | MPN100076       | 26%      | 86.3%          | 87.3%            |
| SAU800699     | NME200956       | 20%      | 79.7%          | 75.9%            |
| SAU800699     | PMU101796       | 27%      | 96.1%          | 97.7%            |
| SAU800699     | PRT106003       | 29%      | 98.7%          | 98.1%            |
| SAU800699     | SPA103914       | 30%      | 99.0%          | 100%             |
| SAU800699     | STY100943       | 30%      | 99.0%          | 100%             |
| SAU800699     | STM101389       | 30%      | 99.0%          | 100%             |
| SAU800699     | SAU800699       | 100%     | 100%           | 100%             |
| SAU800699     | SEP200740       | 81%      | 100%           | 100%             |
| SAU800699     | SHA102369       | 77%      | 100%           | 100%             |
| SAU800699     | SMU100817       | 44%      | 99.0%          | 100%             |
| SAU800699     | SPN400779       | 46%      | 98.0%          | 99.0%            |
| SAU800699     | SPY200637       | 44%      | 98.0%          | 99.0%            |
| SAU800699     | YPS001092       | 28%      | 94.1%          | 93.3%            |
| SAU800700     | ABA102246       | 39%      | 76.5%          | 86.0%            |
| SAU800700     | BAN111327       | 40%      | 75.6%          | 100%             |
| SAU800700     | BAN110516       | 53%      | 98.0%          | 99.8%            |
| SAU800700     | BPT101778       | 24%      | 21.5%          | 90.3%            |
| SAU800700     | BBU100628       | 41%      | 96.8%          | 97.8%            |
| SAU800700     | BCE105566       | 24%      | 22.5%          | 96.7%            |
| SAU800700     | BFU103417       | 28%      | 21.8%          | 92.7%            |
| SAU800700     | BMA103307       | 28%      | 20.2%          | 76.2%            |
| SAU800700     | CTR200556       | 35%      | 22.5%          | 88.5%            |
| SAU800700     | CBO103578       | 46%      | 69.9%          | 97.6%            |
| SAU800700     | CDF102133       | 48%      | 98.3%          | 99.7%            |
| SAU800700     | CDP100375       | 34%      | 94.8%          | 97.7%            |
| SAU800700     | EBC101473       | 43%      | 75.5%          | 85.9%            |
| SAU800700     | EFA201062       | 49%      | 97.5%          | 98.9%            |
| SAU800700     | EFM202637       | 37%      | 95.2%          | 99.8%            |
| SAU800700     | ECO102126       | 44%      | 69.9%          | 79.4%            |
| SAU800700     | HIN100426       | 43%      | 70.2%          | 80.4%            |
| SAU800700     | KPN302673       | 43%      | 75.2%          | 85.1%            |
| SAU800700     | LMO101732       | 48%      | 98.2%          | 99.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800700     | MGE100064       | 34%      | 94.2%          | 94.7%            |
| SAU800700     | MPN100077       | 35%      | 93.6%          | 93.8%            |
| SAU800700     | NGO101941       | 33%      | 22.4%          | 97.3%            |
| SAU800700     | NME200870       | 34%      | 22.4%          | 97.3%            |
| SAU800700     | PRT101283       | 28%      | 22.7%          | 96.1%            |
| SAU800700     | PAE203558       | 39%      | 21.9%          | 3.8%             |
| SAU800700     | PPU101409       | 40%      | 21.9%          | 3.8%             |
| SAU800700     | PSY105144       | 41%      | 19.3%          | 0.9%             |
| SAU800700     | SPA103916       | 45%      | 69.6%          | 99.3%            |
| SAU800700     | STY103897       | 44%      | 70.1%          | 97.6%            |
| SAU800700     | STM101392       | 46%      | 69.6%          | 93.9%            |
| SAU800700     | SAU800700       | 100%     | 100%           | 100%             |
| SAU800700     | SEP200741       | 87%      | 100%           | 100%             |
| SAU800700     | SHA102370       | 86%      | 97.5%          | 99.8%            |
| SAU800700     | SMU100819       | 45%      | 97.5%          | 99.5%            |
| SAU800700     | SPN400780       | 46%      | 97.5%          | 99.4%            |
| SAU800700     | SPY200638       | 47%      | 97.9%          | 99.8%            |
| SAU800700     | TPA100084       | 34%      | 22.7%          | 100%             |
| SAU800700     | VCH103241       | 43%      | 21.5%          | 2.1%             |
| SAU800700     | YPS001094       | 41%      | 73.5%          | 82.7%            |
| SAU800701     | ABA101441       | 30%      | 25.2%          | 16.2%            |
| SAU800701     | BAN112706       | 37%      | 94.9%          | 98.1%            |
| SAU800701     | BAN109134       | 42%      | 98.5%          | 97.6%            |
| SAU800701     | BFR11566        | 30%      | 97.7%          | 97.9%            |
| SAU800701     | BFR11862        | 30%      | 97.7%          | 96.9%            |
| SAU800701     | BPT100372       | 30%      | 19.6%          | 14.9%            |
| SAU800701     | BBU100150       | 32%      | 99.0%          | 98.8%            |
| SAU800701     | BCE111462       | 37%      | 96.7%          | 97.5%            |
| SAU800701     | BFU102712       | 37%      | 96.7%          | 97.5%            |
| SAU800701     | BMA103808       | 36%      | 96.7%          | 97.5%            |
| SAU800701     | CAC100532       | 42%      | 97.7%          | 97.6%            |
| SAU800701     | CBO103032       | 42%      | 86.8%          | 88.9%            |
| SAU800701     | CDF103827       | 38%      | 97.7%          | 97.1%            |
| SAU800701     | CDP101711       | 34%      | 83.7%          | 82.7%            |
| SAU800701     | EBC101139       | 32%      | 96.4%          | 96.8%            |
| SAU800701     | EFA200139       | 36%      | 97.2%          | 97.4%            |
| SAU800701     | EFM101955       | 34%      | 49.1%          | 97.8%            |
| SAU800701     | ECO100660       | 28%      | 96.4%          | 96.9%            |
| SAU800701     | HIN100133       | 30%      | 93.4%          | 95.5%            |
| SAU800701     | KPN301179       | 29%      | 96.4%          | 96.9%            |
| SAU800701     | LPN100461       | 48%      | 8.4%           | 7.6%             |
| SAU800701     | LMO101310       | 41%      | 99.5%          | 100%             |
| SAU800701     | MAV101737       | 32%      | 93.4%          | 93.7%            |
| SAU800701     | MBV105301       | 33%      | 94.1%          | 95.0%            |
| SAU800701     | MTU203289       | 33%      | 94.1%          | 95.0%            |
| SAU800701     | PMU100874       | 32%      | 90.1%          | 92.9%            |
| SAU800701     | PRT102743       | 35%      | 97.7%          | 95.9%            |
| SAU800701     | PAE203755       | 35%      | 96.9%          | 98.9%            |
| SAU800701     | PPU106243       | 32%      | 17.6%          | 10.9%            |
| SAU800701     | SPA101690       | 26%      | 94.7%          | 97.4%            |
| SAU800701     | STY101830       | 29%      | 94.7%          | 96.4%            |
| SAU800701     | SAU800701       | 100%     | 100%           | 100%             |
| SAU800701     | SEP200742       | 70%      | 99.7%          | 99.7%            |
| SAU800701     | SHA102517       | 66%      | 98.7%          | 98.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800701     | SMU100804       | 39%      | 86.0%          | 88.0%            |
| SAU800701     | SPN401864       | 35%      | 93.4%          | 93.5%            |
| SAU800701     | SPY201302       | 37%      | 93.6%          | 93.7%            |
| SAU800701     | VCH100977       | 33%      | 86.8%          | 88.9%            |
| SAU800701     | YPS000074       | 32%      | 91.3%          | 93.3%            |
| SAU800719     | ABA100200       | 24%      | 30.0%          | 40.3%            |
| SAU800719     | BAN101020       | 52%      | 70.3%          | 98.7%            |
| SAU800719     | BAN106537       | 45%      | 94.1%          | 97.7%            |
| SAU800719     | BFR10189        | 22%      | 48.3%          | 47.7%            |
| SAU800719     | BPT100647       | 21%      | 48.9%          | 44.4%            |
| SAU800719     | BCE100990       | 25%      | 22.4%          | 23.2%            |
| SAU800719     | BMA102844       | 22%      | 21.7%          | 28.0%            |
| SAU800719     | CJU101363       | 28%      | 17.3%          | 19.2%            |
| SAU800719     | CAC103138       | 31%      | 88.1%          | 91.2%            |
| SAU800719     | CBO101190       | 31%      | 88.9%          | 89.7%            |
| SAU800719     | CBO100209       | 31%      | 95.8%          | 99.2%            |
| SAU800719     | EFA200629       | 45%      | 96.6%          | 91.2%            |
| SAU800719     | EFM200738       | 46%      | 95.5%          | 93.0%            |
| SAU800719     | ECO101469       | 29%      | 11.6%          | 13.1%            |
| SAU800719     | HIN101218       | 21%      | 75.9%          | 79.4%            |
| SAU800719     | HPY100571       | 20%      | 85.0%          | 85.0%            |
| SAU800719     | KPN304077       | 25%      | 15.9%          | 17.5%            |
| SAU800719     | LPN102221       | 19%      | 80.3%          | 77.1%            |
| SAU800719     | LMO102885       | 52%      | 98.1%          | 97.2%            |
| SAU800719     | PMU101683       | 21%      | 73.8%          | 73.2%            |
| SAU800719     | PRT102753       | 24%      | 28.2%          | 33.6%            |
| SAU800719     | PAE201688       | 24%      | 54.3%          | 48%              |
| SAU800719     | PPU108921       | 23%      | 24.6%          | 61.9%            |
| SAU800719     | PPU112431       | 25%      | 48.0%          | 77.4%            |
| SAU800719     | PSY104669       | 24%      | 47.5%          | 42.3%            |
| SAU800719     | STY104492       | 22%      | 24.5%          | 22.5%            |
| SAU800719     | SAU800719       | 100%     | 100%           | 100%             |
| SAU800719     | SEP200765       | 89%      | 100%           | 100%             |
| SAU800719     | SHA101679       | 87%      | 99.8%          | 100%             |
| SAU800719     | SMU100078       | 40%      | 98.0%          | 90.8%            |
| SAU800719     | SPY200599       | 38%      | 96.6%          | 87.4%            |
| SAU800719     | VCH103522       | 25%      | 51.4%          | 45.5%            |
| SAU800719     | YPS003644       | 27%      | 23.2%          | 26.8%            |
| SAU800720     | ABA100489       | 37%      | 84.5%          | 95.8%            |
| SAU800720     | BAN110028       | 38%      | 37.4%          | 76.9%            |
| SAU800720     | BAN101564       | 26%      | 75.0%          | 95.1%            |
| SAU800720     | BAN109552       | 27%      | 20.2%          | 77.1%            |
| SAU800720     | BAN111328       | 24%      | 13.6%          | 89.1%            |
| SAU800720     | BAN108174       | 25%      | 13.6%          | 88%              |
| SAU800720     | BAN110379       | 32%      | 17.6%          | 75.9%            |
| SAU800720     | BAN108774       | 26%      | 13.8%          | 85.5%            |
| SAU800720     | BAN112693       | 31%      | 17.0%          | 78.3%            |
| SAU800720     | BAN101135       | 32%      | 17.0%          | 80.8%            |
| SAU800720     | BAN108206       | 41%      | 12%            | 97.9%            |
| SAU800720     | BAN100158       | 42%      | 24.5%          | 94.4%            |
| SAU800720     | BAN112678       | 44%      | 99.7%          | 99.5%            |
| SAU800720     | BFR10185        | 37%      | 46.7%          | 90.7%            |
| SAU800720     | BPT103035       | 35%      | 40.2%          | 82.9%            |
| SAU800720     | BCE109252       | 34%      | 99.0%          | 99.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800720     | BFU108924       | 35%      | 99.0%          | 99.4%            |
| SAU800720     | BMA108966       | 34%      | 99.0%          | 97.3%            |
| SAU800720     | CJU100819       | 31%      | 54.1%          | 98.6%            |
| SAU800720     | CAC101791       | 42%      | 99.8%          | 99.4%            |
| SAU800720     | CBO101696       | 40%      | 89.3%          | 41.4%            |
| SAU800720     | CDF101289       | 39%      | 99.8%          | 95.8%            |
| SAU800720     | CDP101266       | 37%      | 39.4%          | 95.9%            |
| SAU800720     | EBC103175       | 38%      | 36.6%          | 92.6%            |
| SAU800720     | EFA201844       | 46%      | 98.6%          | 98.6%            |
| SAU800720     | EFM100646       | 48%      | 91.8%          | 98.3%            |
| SAU800720     | ECO100924       | 33%      | 43.7%          | 86.3%            |
| SAU800720     | HIN101309       | 35%      | 14.6%          | 82.8%            |
| SAU800720     | HIN101266       | 35%      | 43.2%          | 86.2%            |
| SAU800720     | KPN302187       | 38%      | 36.6%          | 92.9%            |
| SAU800720     | LPN103510       | 35%      | 97.4%          | 97.9%            |
| SAU800720     | LMO101330       | 45%      | 99.7%          | 100%             |
| SAU800720     | MCA100198       | 35%      | 37.4%          | 93.7%            |
| SAU800720     | MAV100344       | 36%      | 39.4%          | 95.7%            |
| SAU800720     | MBV101523       | 34%      | 96.5%          | 55.2%            |
| SAU800720     | MLP100773       | 35%      | 87.8%          | 46.8%            |
| SAU800720     | MTU202441       | 34%      | 96.5%          | 55.2%            |
| SAU800720     | NGO101191       | 34%      | 99.0%          | 97.8%            |
| SAU800720     | NME201150       | 34%      | 99.0%          | 98.7%            |
| SAU800720     | PMU100877       | 34%      | 52.5%          | 92.8%            |
| SAU800720     | PRT101963       | 34%      | 40%            | 82.9%            |
| SAU800720     | PAE204593       | 34%      | 40.2%          | 96.4%            |
| SAU800720     | PPU109750       | 36%      | 37.4%          | 94.7%            |
| SAU800720     | PSY102871       | 33%      | 99.2%          | 100%             |
| SAU800720     | SPA100983       | 35%      | 37.8%          | 95.8%            |
| SAU800720     | STY104621       | 37%      | 36.6%          | 92.6%            |
| SAU800720     | STM102138       | 33%      | 44.3%          | 88.3%            |
| SAU800720     | SAU800720       | 100%     | 100%           | 100%             |
| SAU800720     | SEP200773       | 80%      | 99.8%          | 100%             |
| SAU800720     | SHA100939       | 77%      | 29.6%          | 88.1%            |
| SAU800720     | SHA101681       | 81%      | 99.8%          | 100%             |
| SAU800720     | SMU100883       | 42%      | 99.7%          | 100%             |
| SAU800720     | SPN401411       | 44%      | 97.4%          | 98.4%            |
| SAU800720     | SPY200645       | 44%      | 96.5%          | 96.8%            |
| SAU800720     | VCH101463       | 34%      | 37.9%          | 81.5%            |
| SAU800720     | YPS002105       | 34%      | 39.7%          | 84.1%            |
| SAU800732     | ABA103998       | 25%      | 81.4%          | 79.4%            |
| SAU800732     | ABA101388       | 25%      | 86.7%          | 90.3%            |
| SAU800732     | BAN111908       | 50%      | 98.5%          | 100%             |
| SAU800732     | BFR10832        | 24%      | 97.8%          | 92.8%            |
| SAU800732     | BPT102919       | 26%      | 79.6%          | 66.8%            |
| SAU800732     | BCE105994       | 26%      | 85.4%          | 71.0%            |
| SAU800732     | BFU106488       | 25%      | 85.4%          | 69.6%            |
| SAU800732     | BMA101937       | 27%      | 85.4%          | 71.0%            |
| SAU800732     | CJU100204       | 22%      | 89.2%          | 84.7%            |
| SAU800732     | CPN200855       | 23%      | 88.5%          | 85.0%            |
| SAU800732     | CTR200210       | 22%      | 86.7%          | 83.2%            |
| SAU800732     | CAC103499       | 27%      | 94.1%          | 91.6%            |
| SAU800732     | CBO100701       | 26%      | 90.4%          | 86.0%            |
| SAU800732     | CDF101630       | 49%      | 98.1%          | 96.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800732     | CDP101412       | 39%      | 98.5%          | 95.1%            |
| SAU800732     | EBC100530       | 37%      | 98.5%          | 97.8%            |
| SAU800732     | EFA201345       | 43%      | 98.5%          | 96.9%            |
| SAU800732     | EFM200562       | 42%      | 98.1%          | 96.6%            |
| SAU800732     | ECO102621       | 36%      | 98.5%          | 97.8%            |
| SAU800732     | HIN101625       | 22%      | 81.7%          | 77.4%            |
| SAU800732     | HPY100360       | 23%      | 89.2%          | 84.2%            |
| SAU800732     | KPN304452       | 36%      | 98.5%          | 97.5%            |
| SAU800732     | LPN102663       | 24%      | 85.4%          | 77.9%            |
| SAU800732     | LMO101175       | 25%      | 89.2%          | 83.1%            |
| SAU800732     | MCA101601       | 23%      | 81.7%          | 77.4%            |
| SAU800732     | MAV103576       | 38%      | 98.5%          | 96.3%            |
| SAU800732     | MBV102489       | 38%      | 98.5%          | 96.9%            |
| SAU800732     | MLP101065       | 37%      | 98.5%          | 96%              |
| SAU800732     | MTU201948       | 38%      | 98.5%          | 96.9%            |
| SAU800732     | MGE100234       | 32%      | 98.5%          | 91.8%            |
| SAU800732     | MPN100514       | 32%      | 98.5%          | 92.0%            |
| SAU800732     | NGO100274       | 23%      | 81.7%          | 76.0%            |
| SAU800732     | NME201364       | 22%      | 81.7%          | 77.5%            |
| SAU800732     | PMU100719       | 22%      | 81.7%          | 77.4%            |
| SAU800732     | PRT102696       | 38%      | 98.5%          | 96.9%            |
| SAU800732     | PAE201154       | 24%      | 76.5%          | 61.9%            |
| SAU800732     | PPU108078       | 22%      | 76.5%          | 61.8%            |
| SAU800732     | PSY104507       | 23%      | 76.5%          | 61.9%            |
| SAU800732     | SPA100937       | 38%      | 98.5%          | 97.8%            |
| SAU800732     | STY102724       | 38%      | 98.5%          | 97.8%            |
| SAU800732     | STM103201       | 38%      | 98.5%          | 97.8%            |
| SAU800732     | SAU800732       | 100%     | 100%           | 100%             |
| SAU800732     | SEP201119       | 54%      | 99.1%          | 94.1%            |
| SAU800732     | SEP200799       | 91%      | 99.7%          | 100%             |
| SAU800732     | SHA100853       | 90%      | 99.7%          | 100%             |
| SAU800732     | SMU100848       | 41%      | 98.1%          | 97.2%            |
| SAU800732     | SPN401066       | 42%      | 97.8%          | 96.6%            |
| SAU800732     | SPY201058       | 41%      | 97.8%          | 96.9%            |
| SAU800732     | TPA100052       | 25%      | 97.8%          | 92.3%            |
| SAU800732     | VCH101236       | 23%      | 81.7%          | 75.1%            |
| SAU800732     | YPS001318       | 37%      | 98.5%          | 96.6%            |
| SAU800733     | ABA105082       | 38%      | 94.7%          | 97.8%            |
| SAU800733     | BAN113556       | 34%      | 85.1%          | 99.6%            |
| SAU800733     | BAN109705       | 34%      | 96.0%          | 89.9%            |
| SAU800733     | CJU101276       | 47%      | 99.1%          | 99.1%            |
| SAU800733     | CBO102064       | 50%      | 97.5%          | 99.4%            |
| SAU800733     | CDF100649       | 49%      | 98.1%          | 100%             |
| SAU800733     | EFA201992       | 44%      | 95.7%          | 98.1%            |
| SAU800733     | EFM202344       | 40%      | 95.7%          | 97.8%            |
| SAU800733     | NGO100092       | 39%      | 94.4%          | 94.4%            |
| SAU800733     | NME200420       | 40%      | 94.4%          | 94.4%            |
| SAU800733     | PRT102497       | 40%      | 96.0%          | 96.2%            |
| SAU800733     | PPU100159       | 38%      | 94.1%          | 97.1%            |
| SAU800733     | SAU800733       | 100%     | 100%           | 100%             |
| SAU800733     | SEP200801       | 78%      | 100%           | 99.7%            |
| SAU800733     | SHA100854       | 78%      | 99.4%          | 99.7%            |
| SAU800733     | SMU100104       | 50%      | 98.5%          | 99.4%            |
| SAU800733     | SPN401682       | 38%      | 96.6%          | 96.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800733     | VCH102962       | 44%      | 96.0%          | 98.4%            |
| SAU800733     | YPS002721       | 39%      | 95.7%          | 96.6%            |
| SAU800737     | SAU800737       | 100%     | 100%           | 100%             |
| SAU800737     | SEP200811       | 70%      | 100%           | 100%             |
| SAU800737     | SHA102001       | 72%      | 100%           | 100%             |
| SAU800737     | SMU100332       | 46%      | 98.1%          | 99.0%            |
| SAU800737     | SPN301332       | 42%      | 99.0%          | 100%             |
| SAU800737     | SPY200154       | 38%      | 98.1%          | 96.1%            |
| SAU800738     | ABA100810       | 25%      | 88.6%          | 90.9%            |
| SAU800738     | BAN105237       | 37%      | 92.8%          | 95.5%            |
| SAU800738     | BAN104566       | 60%      | 97.4%          | 98.0%            |
| SAU800738     | BFR11211        | 23%      | 77.9%          | 95.1%            |
| SAU800738     | BPT102727       | 23%      | 76.5%          | 82.1%            |
| SAU800738     | BBU100597       | 31%      | 90.2%          | 92.7%            |
| SAU800738     | BCE105021       | 32%      | 76.5%          | 84.4%            |
| SAU800738     | BFU110503       | 28%      | 56.7%          | 31.0%            |
| SAU800738     | BMA103015       | 21%      | 75.2%          | 76.3%            |
| SAU800738     | CJU101581       | 34%      | 61.6%          | 68.2%            |
| SAU800738     | CPN200851       | 32%      | 91.5%          | 91.4%            |
| SAU800738     | CTR200213       | 35%      | 91.5%          | 93.9%            |
| SAU800738     | CAC101781       | 47%      | 97.4%          | 98.0%            |
| SAU800738     | CBO101419       | 48%      | 97.4%          | 97.7%            |
| SAU800738     | CDF101126       | 42%      | 98.4%          | 95.6%            |
| SAU800738     | CDP100735       | 36%      | 42.3%          | 40.6%            |
| SAU800738     | EBC104194       | 26%      | 80.1%          | 86.3%            |
| SAU800738     | EFA200829       | 52%      | 96.1%          | 98.3%            |
| SAU800738     | EFM201956       | 54%      | 92.5%          | 91.3%            |
| SAU800738     | ECO103874       | 26%      | 86.6%          | 92.1%            |
| SAU800738     | HIN100255       | 29%      | 86.3%          | 92.1%            |
| SAU800738     | HPY101397       | 27%      | 89.3%          | 96.1%            |
| SAU800738     | KPN300758       | 27%      | 78.8%          | 85.1%            |
| SAU800738     | LPN101622       | 36%      | 91.5%          | 93.1%            |
| SAU800738     | LMO102057       | 59%      | 95.4%          | 98.3%            |
| SAU800738     | MCA100620       | 26%      | 57.3%          | 67.1%            |
| SAU800738     | MAV103805       | 26%      | 90.6%          | 94.1%            |
| SAU800738     | MBV102338       | 26%      | 90.6%          | 94.0%            |
| SAU800738     | MLP101458       | 25%      | 88.9%          | 92.6%            |
| SAU800738     | MTU200480       | 26%      | 90.6%          | 94.0%            |
| SAU800738     | NGO100898       | 25%      | 91.2%          | 96.8%            |
| SAU800738     | NME200943       | 25%      | 91.2%          | 96.8%            |
| SAU800738     | PMU101589       | 25%      | 79.5%          | 85.9%            |
| SAU800738     | PRT102712       | 26%      | 92.2%          | 97.1%            |
| SAU800738     | PAE202975       | 23%      | 81.1%          | 89.1%            |
| SAU800738     | PPU101791       | 24%      | 88.6%          | 95.9%            |
| SAU800738     | PSY101711       | 23%      | 84.7%          | 92.3%            |
| SAU800738     | SPA103331       | 26%      | 85.7%          | 91.5%            |
| SAU800738     | STY102701       | 27%      | 85.7%          | 91.5%            |
| SAU800738     | STM102039       | 27%      | 85.3%          | 91.2%            |
| SAU800738     | SAU800738       | 100%     | 100%           | 100%             |
| SAU800738     | SEP200812       | 83%      | 99.7%          | 100%             |
| SAU800738     | SHA102002       | 84%      | 98.7%          | 98.7%            |
| SAU800738     | SMU100056       | 53%      | 92.5%          | 92.8%            |
| SAU800738     | SPN401246       | 52%      | 96.7%          | 94.0%            |
| SAU800738     | SPY200834       | 51%      | 92.8%          | 96.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800738     | TPA100089       | 28%      | 90.9%          | 92.4%            |
| SAU800738     | VCH100313       | 28%      | 83.4%          | 84.9%            |
| SAU800738     | YPS000538       | 24%      | 78.8%          | 84.3%            |
| SAU800742     | SAU800742       | 100%     | 100%           | 100%             |
| SAU800742     | SEP200819       | 77%      | 99.5%          | 98.9%            |
| SAU800742     | SHA102006       | 73%      | 99.2%          | 99.5%            |
| SAU800743     | BAN100661       | 50%      | 89.7%          | 89.4%            |
| SAU800743     | BAN105794       | 55%      | 99.5%          | 99.5%            |
| SAU800743     | BFR11051        | 54%      | 98.3%          | 99.0%            |
| SAU800743     | CPN200966       | 29%      | 16.7%          | 14.8%            |
| SAU800743     | CTR200116       | 27%      | 17.2%          | 15.3%            |
| SAU800743     | CAC103052       | 53%      | 98.8%          | 99.3%            |
| SAU800743     | CBO101160       | 52%      | 97.5%          | 98.0%            |
| SAU800743     | CDF102303       | 50%      | 99.5%          | 99.5%            |
| SAU800743     | EBC102861       | 51%      | 98.0%          | 98.5%            |
| SAU800743     | EFA202002       | 47%      | 97.5%          | 98.3%            |
| SAU800743     | EFA202365       | 54%      | 98.5%          | 99.0%            |
| SAU800743     | EFM200402       | 50%      | 98.5%          | 98.8%            |
| SAU800743     | ECO101100       | 51%      | 99.0%          | 99.3%            |
| SAU800743     | HIN101314       | 43%      | 98.3%          | 97.6%            |
| SAU800743     | KPN302598       | 50%      | 98.0%          | 97.8%            |
| SAU800743     | LMO102174       | 53%      | 98.0%          | 98.0%            |
| SAU800743     | PMU100265       | 44%      | 97.5%          | 96.8%            |
| SAU800743     | PRT102290       | 38%      | 96.3%          | 98.0%            |
| SAU800743     | SPA104230       | 52%      | 86.0%          | 98.0%            |
| SAU800743     | STY102563       | 50%      | 98.0%          | 98.0%            |
| SAU800743     | STM102752       | 50%      | 98.0%          | 98.0%            |
| SAU800743     | SAU800743       | 100%     | 100%           | 100%             |
| SAU800743     | SEP200821       | 80%      | 100%           | 99.0%            |
| SAU800743     | SHA102007       | 78%      | 100%           | 99.8%            |
| SAU800743     | SMU100892       | 53%      | 97.8%          | 98.3%            |
| SAU800743     | SPN400913       | 51%      | 98.0%          | 98.8%            |
| SAU800743     | SPY200591       | 50%      | 97.8%          | 98.5%            |
| SAU800743     | VCH102915       | 49%      | 99.3%          | 98.8%            |
| SAU800743     | YPS003245       | 49%      | 98.0%          | 97.6%            |
| SAU800753     | ABA101280       | 46%      | 90.2%          | 97.6%            |
| SAU800753     | BAN110913       | 41%      | 99.5%          | 99.4%            |
| SAU800753     | BAN103692       | 59%      | 99.9%          | 99.5%            |
| SAU800753     | BFR11725        | 38%      | 3.6%           | 8.8%             |
| SAU800753     | BPT102975       | 44%      | 100%           | 99.7%            |
| SAU800753     | BBU100153       | 40%      | 98.8%          | 98.4%            |
| SAU800753     | BCE111466       | 51%      | 68.0%          | 94.8%            |
| SAU800753     | BFU106498       | 45%      | 99.9%          | 99.5%            |
| SAU800753     | BMA103047       | 45%      | 99.9%          | 99.5%            |
| SAU800753     | CJU100872       | 46%      | 98.8%          | 97.4%            |
| SAU800753     | CPN201009       | 41%      | 7.2%           | 19.1%            |
| SAU800753     | CTR200074       | 41%      | 4.0%           | 16.4%            |
| SAU800753     | CAC100650       | 52%      | 100%           | 99.8%            |
| SAU800753     | CBO100098       | 53%      | 100%           | 99.2%            |
| SAU800753     | CDF100803       | 49%      | 92.5%          | 98.6%            |
| SAU800753     | CDF101445       | 48%      | 100%           | 100%             |
| SAU800753     | CDP100932       | 46%      | 94.3%          | 99.2%            |
| SAU800753     | EBC107179       | 51%      | 44.2%          | 96.2%            |
| SAU800753     | EFA200590       | 56%      | 99.8%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800753     | EFM100280       | 61%      | 26.8%          | 98.2%            |
| SAU800753     | ECO100098       | 45%      | 98.8%          | 98.3%            |
| SAU800753     | HIN100888       | 42%      | 99.9%          | 99.3%            |
| SAU800753     | HPY100773       | 46%      | 98.8%          | 97.3%            |
| SAU800753     | KPN300997       | 45%      | 98.8%          | 98.2%            |
| SAU800753     | LPN103376       | 46%      | 98.7%          | 98.2%            |
| SAU800753     | LMO101013       | 60%      | 99.9%          | 99.5%            |
| SAU800753     | MCA100812       | 42%      | 98.8%          | 98.4%            |
| SAU800753     | MAV101468       | 46%      | 91.3%          | 88.4%            |
| SAU800753     | MBV103337       | 46%      | 94.0%          | 90.8%            |
| SAU800753     | MLP100475       | 46%      | 92.6%          | 88.8%            |
| SAU800753     | MTU203197       | 46%      | 95.3%          | 90.9%            |
| SAU800753     | MGE100074       | 42%      | 91.1%          | 94.3%            |
| SAU800753     | MPN100621       | 43%      | 91.1%          | 94.1%            |
| SAU800753     | NGO100323       | 45%      | 98.8%          | 98.4%            |
| SAU800753     | NME201594       | 45%      | 98.8%          | 98.4%            |
| SAU800753     | PMU101219       | 45%      | 99.5%          | 98.9%            |
| SAU800753     | PRT105129       | 46%      | 98.8%          | 98.3%            |
| SAU800753     | PAE204401       | 45%      | 98.8%          | 98.4%            |
| SAU800753     | PPU107707       | 46%      | 98.8%          | 95.4%            |
| SAU800753     | PSY103871       | 46%      | 97.7%          | 99.6%            |
| SAU800753     | SPA100472       | 42%      | 64.3%          | 85.7%            |
| SAU800753     | STY103214       | 45%      | 98.8%          | 98.3%            |
| SAU800753     | STM102926       | 45%      | 98.8%          | 98.3%            |
| SAU800753     | SAU800753       | 100%     | 100%           | 100%             |
| SAU800753     | SEP201381       | 90%      | 100%           | 99.9%            |
| SAU800753     | SHA101267       | 89%      | 100%           | 99.8%            |
| SAU800753     | SMU101178       | 55%      | 99.6%          | 99.2%            |
| SAU800753     | SPN401543       | 54%      | 99.6%          | 99.3%            |
| SAU800753     | SPY201389       | 53%      | 99.6%          | 99.0%            |
| SAU800753     | TPA100375       | 42%      | 98.8%          | 98.5%            |
| SAU800753     | UUR100118       | 43%      | 91.3%          | 91.4%            |
| SAU800753     | VCH102359       | 46%      | 99.6%          | 99.2%            |
| SAU800753     | YPS001804       | 45%      | 98.8%          | 98.3%            |
| SAU800759     | ABA101958       | 56%      | 99.1%          | 100%             |
| SAU800759     | BAN113089       | 38%      | 93.8%          | 57.7%            |
| SAU800759     | BAN100680       | 70%      | 99.5%          | 98.1%            |
| SAU800759     | BFR11670        | 54%      | 12.1%          | 75.6%            |
| SAU800759     | BPT100944       | 56%      | 11.9%          | 75.8%            |
| SAU800759     | BBU100836       | 53%      | 75.3%          | 12.1%            |
| SAU800759     | BCE103574       | 58%      | 11.8%          | 75.5%            |
| SAU800759     | BFU103391       | 57%      | 74.9%          | 11.6%            |
| SAU800759     | BMA102344       | 57%      | 98.5%          | 100%             |
| SAU800759     | CJU100311       | 51%      | 99.2%          | 99.7%            |
| SAU800759     | CPN200666       | 35%      | 62.9%          | 99.8%            |
| SAU800759     | CTR200602       | 34%      | 60.7%          | 99.4%            |
| SAU800759     | CAC103028       | 61%      | 74.9%          | 11.8%            |
| SAU800759     | CBO100949       | 63%      | 74.9%          | 11.8%            |
| SAU800759     | CDF101156       | 61%      | 98.5%          | 99.6%            |
| SAU800759     | CDPI00967       | 57%      | 11.6%          | 75.1%            |
| SAU800759     | EBC104211       | 57%      | 11.8%          | 76.1%            |
| SAU800759     | EFA200963       | 68%      | 99.1%          | 100%             |
| SAU800759     | EFM100494       | 74%      | 33.2%          | 54.9%            |
| SAU800759     | ECO103952       | 57%      | 11.8%          | 76.1%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800759     | HN100236        | 58%      | 12.9%          | 76.9%            |
| SAU800759     | HPY100696       | 51%      | 75.2%          | 12.2%            |
| SAU800759     | KPN300132       | 73%      | 75.4%          | 91.3%            |
| SAU800759     | KPN304697       | 57%      | 11.8%          | 76.0%            |
| SAU800759     | LPN101592       | 58%      | 99.1%          | 99.1%            |
| SAU800759     | LMO102288       | 69%      | 100%           | 99.3%            |
| SAU800759     | MCA100016       | 61%      | 33.0%          | 55.9%            |
| SAU800759     | MAV106576       | 59%      | 74.9%          | 11.4%            |
| SAU800759     | MBV101262       | 56%      | 11.4%          | 78.7%            |
| SAU800759     | MLP100862       | 58%      | 76.3%          | 13.0%            |
| SAU800759     | MTU201617       | 58%      | 74.9%          | 11.4%            |
| SAU800759     | MGE100431       | 55%      | 11.6%          | 74.6%            |
| SAU800759     | MPN100223       | 55%      | 11.6%          | 75.1%            |
| SAU800759     | NGO101264       | 58%      | 98.6%          | 95.3%            |
| SAU800759     | NME201071       | 58%      | 98.5%          | 98.6%            |
| SAU800759     | PMU101951       | 58%      | 12.8%          | 76.8%            |
| SAU800759     | PRT100660       | 58%      | 75.4%          | 12.3%            |
| SAU800759     | PAE204232       | 58%      | 11.8%          | 75.7%            |
| SAU800759     | PPU108153       | 58%      | 11.8%          | 75.6%            |
| SAU800759     | PSY105787       | 57%      | 5.1%           | 74.0%            |
| SAU800759     | SPA102876       | 46%      | 10.4%          | 74.8%            |
| SAU800759     | STY102276       | 57%      | 11.8%          | 76.0%            |
| SAU800759     | SAU800759       | 100%     | 100%           | 100%             |
| SAU800759     | SEP201393       | 90%      | 99.3%          | 99.7%            |
| SAU800759     | SHA101501       | 91%      | 99.4%          | 99.8%            |
| SAU800759     | SMU101222       | 68%      | 62.6%          | 99.5%            |
| SAU800759     | SPN400171       | 66%      | 99.1%          | 99.9%            |
| SAU800759     | SPY201403       | 67%      | 74.9%          | 11.8%            |
| SAU800759     | TPA100510       | 55%      | 75.4%          | 12.1%            |
| SAU800759     | UUR100101       | 54%      | 74.9%          | 11.8%            |
| SAU800759     | VCH100389       | 58%      | 11.6%          | 75.7%            |
| SAU800759     | YPS002814       | 57%      | 99.1%          | 99.6%            |
| SAU800760     | BAN107071       | 45%      | 95.2%          | 97.7%            |
| SAU800760     | BAN109743       | 63%      | 96.1%          | 96.4%            |
| SAU800760     | BPT101777       | 36%      | 98.4%          | 99.7%            |
| SAU800760     | BCE114457       | 35%      | 92.6%          | 84.7%            |
| SAU800760     | BFU103416       | 35%      | 92.6%          | 89.4%            |
| SAU800760     | BMA105321       | 35%      | 92.3%          | 89.1%            |
| SAU800760     | CAC103664       | 46%      | 96.1%          | 97.7%            |
| SAU800760     | CBO103006       | 44%      | 98.1%          | 98.7%            |
| SAU800760     | CDF101148       | 45%      | 96.8%          | 97.1%            |
| SAU800760     | EFA201005       | 50%      | 96.8%          | 96.8%            |
| SAU800760     | EFM101937       | 53%      | 49.7%          | 96.2%            |
| SAU800760     | LMO102906       | 56%      | 99.4%          | 98.7%            |
| SAU800760     | MGE100087       | 30%      | 90.6%          | 90.4%            |
| SAU800760     | MPN100608       | 32%      | 99.4%          | 98.7%            |
| SAU800760     | NGO101943       | 35%      | 96.5%          | 93.8%            |
| SAU800760     | NME200871       | 35%      | 96.5%          | 93.8%            |
| SAU800760     | SAU800760       | 100%     | 100%           | 100%             |
| SAU800760     | SEP201395       | 89%      | 100%           | 100%             |
| SAU800760     | SHA101502       | 88%      | 100%           | 99.7%            |
| SAU800760     | SMU100034       | 49%      | 97.7%          | 97.7%            |
| SAU800760     | SPN401269       | 49%      | 96.8%          | 95.3%            |
| SAU800760     | SPY200421       | 46%      | 97.7%          | 98.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800760     | TPA100584       | 46%      | 95.8%          | 93.4%            |
| SAU800760     | UUR100074       | 29%      | 96.5%          | 97.4%            |
| SAU800765     | ABA105050       | 37%      | 93.1%          | 97.2%            |
| SAU800765     | BAN105743       | 42%      | 81.8%          | 98.0%            |
| SAU800765     | BAN103527       | 53%      | 97.0%          | 99.0%            |
| SAU800765     | BPT101774       | 36%      | 89.1%          | 93.1%            |
| SAU800765     | BCE105719       | 40%      | 94.4%          | 94.7%            |
| SAU800765     | BFU103415       | 40%      | 95.4%          | 92.6%            |
| SAU800765     | BMA101496       | 38%      | 94.1%          | 96.0%            |
| SAU800765     | CAC100640       | 46%      | 95.7%          | 98.6%            |
| SAU800765     | CBO103526       | 47%      | 95.7%          | 98.6%            |
| SAU800765     | CDF101175       | 46%      | 93.7%          | 98.6%            |
| SAU800765     | CDP100284       | 41%      | 92.7%          | 94.2%            |
| SAU800765     | EBC104047       | 40%      | 92.7%          | 96.8%            |
| SAU800765     | EFA200958       | 50%      | 93.4%          | 94.6%            |
| SAU800765     | EFM102057       | 65%      | 13.5%          | 78%              |
| SAU800765     | ECO103135       | 40%      | 92.7%          | 96.8%            |
| SAU800765     | HIN101120       | 42%      | 88.4%          | 91.0%            |
| SAU800765     | KPN301883       | 41%      | 92.7%          | 96.8%            |
| SAU800765     | LMO101258       | 52%      | 95.4%          | 97.6%            |
| SAU800765     | MCA100868       | 36%      | 93.7%          | 95.9%            |
| SAU800765     | MAV100819       | 40%      | 93.4%          | 91.3%            |
| SAU800765     | MBV102154       | 40%      | 96.0%          | 95.7%            |
| SAU800765     | MLP100349       | 40%      | 96.4%          | 97.7%            |
| SAU800765     | MTU201402       | 40%      | 96.0%          | 95.7%            |
| SAU800765     | NGO101945       | 34%      | 95.4%          | 99.3%            |
| SAU800765     | NME200872       | 35%      | 93.7%          | 97.5%            |
| SAU800765     | PMU100169       | 42%      | 93.1%          | 95.8%            |
| SAU800765     | PRT101284       | 40%      | 92.7%          | 97.2%            |
| SAU800765     | PAE204463       | 38%      | 93.1%          | 98.3%            |
| SAU800765     | PPU103901       | 39%      | 93.1%          | 98.9%            |
| SAU800765     | PSY104751       | 39%      | 93.1%          | 98.6%            |
| SAU800765     | SPA101395       | 40%      | 92.7%          | 97.2%            |
| SAU800765     | STY101515       | 40%      | 92.7%          | 96.8%            |
| SAU800765     | STM101784       | 40%      | 92.7%          | 96.8%            |
| SAU800765     | SAU800765       | 100%     | 100%           | 100%             |
| SAU800765     | SEP201405       | 84%      | 99.7%          | 100%             |
| SAU800765     | SHA100647       | 77%      | 98.7%          | 100%             |
| SAU800765     | SMU100310       | 48%      | 94.7%          | 95.6%            |
| SAU800765     | SPN401423       | 47%      | 94.7%          | 95.6%            |
| SAU800765     | SPY200470       | 49%      | 93.1%          | 93.9%            |
| SAU800765     | VCH102495       | 43%      | 89.4%          | 93.7%            |
| SAU800765     | YPS002374       | 41%      | 92.7%          | 96.8%            |
| SAU800766     | BAN111073       | 43%      | 90.3%          | 98.4%            |
| SAU800766     | BAN103579       | 50%      | 94.6%          | 98.4%            |
| SAU800766     | CAC100700       | 42%      | 94.6%          | 69.8%            |
| SAU800766     | CBO102977       | 42%      | 94.6%          | 70.8%            |
| SAU800766     | CDF101172       | 43%      | 95.2%          | 86.0%            |
| SAU800766     | CDP100282       | 36%      | 71.9%          | 77.4%            |
| SAU800766     | EBC102211       | 35%      | 74.0%          | 81.5%            |
| SAU800766     | EFA200956       | 39%      | 76.4%          | 78.5%            |
| SAU800766     | EFM101137       | 36%      | 48.6%          | 71.4%            |
| SAU800766     | ECO100756       | 36%      | 74.0%          | 81.5%            |
| SAU800766     | KPN303577       | 36%      | 74.0%          | 81.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800766     | LMO102839       | 46%      | 90.0%          | 91.3%            |
| SAU800766     | MAV100820       | 37%      | 71.0%          | 68.7%            |
| SAU800766     | MBV102152       | 38%      | 71.0%          | 71.9%            |
| SAU800766     | MLP100350       | 37%      | 71.0%          | 68.5%            |
| SAU800766     | MTU201403       | 38%      | 71.0%          | 71.9%            |
| SAU800766     | PMU100626       | 36%      | 74.9%          | 80.5%            |
| SAU800766     | PRT106022       | 32%      | 90.6%          | 95.2%            |
| SAU800766     | SPA102731       | 34%      | 74.0%          | 81.5%            |
| SAU800766     | STY102319       | 34%      | 74.0%          | 81.5%            |
| SAU800766     | SAU800766       | 100%     | 100%           | 100%             |
| SAU800766     | SEP201410       | 79%      | 100%           | 100%             |
| SAU800766     | SHA100648       | 72%      | 98.5%          | 99.4%            |
| SAU800766     | SMU100308       | 40%      | 92.1%          | 95.4%            |
| SAU800766     | SPN401422       | 41%      | 76.4%          | 80%              |
| SAU800766     | SPY200471       | 42%      | 75.2%          | 78.5%            |
| SAU800766     | VCH101004       | 34%      | 74.0%          | 83.1%            |
| SAU800766     | YPS002147       | 33%      | 74.6%          | 80.8%            |
| SAU800767     | BAN105219       | 58%      | 99.4%          | 99.1%            |
| SAU800767     | BAN112086       | 62%      | 99.4%          | 99.1%            |
| SAU800767     | CAC102108       | 46%      | 97.8%          | 98.7%            |
| SAU800767     | CBO101086       | 48%      | 98.4%          | 99.7%            |
| SAU800767     | CDF101166       | 46%      | 97.8%          | 98.1%            |
| SAU800767     | CDP100280       | 25%      | 96.8%          | 92.7%            |
| SAU800767     | EFA200954       | 60%      | 97.8%          | 98.7%            |
| SAU800767     | EFM101138       | 59%      | 97.8%          | 98.7%            |
| SAU800767     | LMO101438       | 61%      | 98.7%          | 96.3%            |
| SAU800767     | MAV100821       | 27%      | 97.1%          | 93.3%            |
| SAU800767     | MBV102150       | 26%      | 95.9%          | 92.6%            |
| SAU800767     | MLP100351       | 27%      | 95.5%          | 92.3%            |
| SAU800767     | MTU201404       | 26%      | 95.9%          | 92.6%            |
| SAU800767     | MGE100105       | 28%      | 74.8%          | 84.3%            |
| SAU800767     | MPN100590       | 25%      | 58.0%          | 66.1%            |
| SAU800767     | SAU800767       | 100%     | 100%           | 100%             |
| SAU800767     | SEP201411       | 91%      | 100%           | 100%             |
| SAU800767     | SHA100649       | 91%      | 100%           | 100%             |
| SAU800767     | SMU100307       | 41%      | 97.5%          | 100%             |
| SAU800767     | SPN401421       | 44%      | 90.1%          | 93.4%            |
| SAU800767     | SPY200472       | 41%      | 97.5%          | 100%             |
| SAU800767     | UUR100071       | 26%      | 97.5%          | 92.4%            |
| SAU800771     | BAN108269       | 31%      | 70.0%          | 69.6%            |
| SAU800771     | BAN110794       | 45%      | 98.8%          | 97.7%            |
| SAU800771     | BCE114311       | 21%      | 72.7%          | 74.4%            |
| SAU800771     | BFU102348       | 23%      | 73.0%          | 74.9%            |
| SAU800771     | BMA106496       | 30%      | 70.9%          | 73.2%            |
| SAU800771     | CAC100566       | 40%      | 100%           | 98.3%            |
| SAU800771     | CBO100266       | 41%      | 99.7%          | 97.4%            |
| SAU800771     | CDF100380       | 39%      | 99.7%          | 99.1%            |
| SAU800771     | CDP101585       | 25%      | 75.1%          | 72.9%            |
| SAU800771     | EBC103770       | 26%      | 65.3%          | 71.7%            |
| SAU800771     | EFA204507       | 43%      | 97.6%          | 96.5%            |
| SAU800771     | EFM102024       | 45%      | 42.4%          | 98.6%            |
| SAU800771     | ECO101483       | 28%      | 70.0%          | 75.1%            |
| SAU800771     | KPN300900       | 26%      | 58.2%          | 96.2%            |
| SAU800771     | LPN102590       | 28%      | 29.1%          | 26.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800771     | LMO102755       | 46%      | 100%           | 98.0%            |
| SAU800771     | PMU101646       | 24%      | 81.6%          | 89.3%            |
| SAU800771     | PRT100531       | 23%      | 76.3%          | 83.8%            |
| SAU800771     | PSY101669       | 25%      | 70.3%          | 80.8%            |
| SAU800771     | SPA102585       | 24%      | 70.3%          | 75.2%            |
| SAU800771     | STY103167       | 25%      | 69.7%          | 74.6%            |
| SAU800771     | SAU800771       | 100%     | 100%           | 100%             |
| SAU800771     | SEP201414       | 81%      | 100%           | 100%             |
| SAU800771     | SHA101580       | 81%      | 99.7%          | 99.7%            |
| SAU800771     | SPN400228       | 24%      | 71.8%          | 77.0%            |
| SAU800771     | SPY201573       | 23%      | 84.6%          | 89.9%            |
| SAU800771     | VCH103344       | 21%      | 77.2%          | 81.0%            |
| SAU800771     | YPS000053       | 21%      | 84.6%          | 91.5%            |
| SAU800772     | CJU101322       | 45%      | 98.8%          | 99.1%            |
| SAU800772     | CPN200121       | 46%      | 99.4%          | 100%             |
| SAU800772     | CTR200781       | 48%      | 99.4%          | 100%             |
| SAU800772     | CAC100263       | 73%      | 99.1%          | 99.4%            |
| SAU800772     | CDF102031       | 71%      | 99.4%          | 99.7%            |
| SAU800772     | CDP100278       | 53%      | 99.1%          | 99.4%            |
| SAU800772     | EBC102594       | 57%      | 88.1%          | 99.3%            |
| SAU800772     | EFA202219       | 72%      | 99.4%          | 100%             |
| SAU800772     | EFM201407       | 57%      | 99.4%          | 100%             |
| SAU800772     | ECO202059       | 58%      | 98.5%          | 99.4%            |
| SAU800772     | KPN300047       | 57%      | 44.3%          | 91.3%            |
| SAU800772     | KPN300286       | 56%      | 67.0%          | 88.9%            |
| SAU800772     | KPN305000       | 56%      | 97.9%          | 99.1%            |
| SAU800772     | LMO100694       | 74%      | 100%           | 100%             |
| SAU800772     | MAV104847       | 50%      | 99.1%          | 99.4%            |
| SAU800772     | MBV102165       | 50%      | 96.7%          | 97.1%            |
| SAU800772     | MLP100354       | 49%      | 96.7%          | 97.1%            |
| SAU800772     | MTU201417       | 50%      | 96.7%          | 97.1%            |
| SAU800772     | MGE100307       | 54%      | 98.8%          | 97.9%            |
| SAU800772     | MPN100411       | 55%      | 98.8%          | 97.9%            |
| SAU800772     | NGO100027       | 70%      | 98.8%          | 92.7%            |
| SAU800772     | NME200230       | 70%      | 98.8%          | 99.1%            |
| SAU800772     | PMU100924       | 45%      | 98.5%          | 98.5%            |
| SAU800772     | SAU800772       | 100%     | 100%           | 100%             |
| SAU800772     | SEP201415       | 92%      | 100%           | 100%             |
| SAU800772     | SHA101581       | 92%      | 100%           | 100%             |
| SAU800772     | SMU100690       | 68%      | 100%           | 100%             |
| SAU800772     | SPN401823       | 69%      | 100%           | 93.3%            |
| SAU800772     | SPY200203       | 67%      | 100%           | 100%             |
| SAU800772     | VCH101970       | 47%      | 99.1%          | 100%             |
| SAU800772     | YPS000708       | 47%      | 99.1%          | 99.1%            |
| SAU800776     | ABA104568       | 60%      | 99.8%          | 100%             |
| SAU800776     | BAN112137       | 75%      | 8.5%           | 100%             |
| SAU800776     | BAN104797       | 55%      | 99.3%          | 100%             |
| SAU800776     | BAN107021       | 75%      | 100%           | 100%             |
| SAU800776     | BFR12193        | 72%      | 96.8%          | 97.4%            |
| SAU800776     | BPT101700       | 62%      | 99.5%          | 99.8%            |
| SAU800776     | BBU100336       | 62%      | 98.8%          | 98.4%            |
| SAU800776     | BCE108074       | 64%      | 99.5%          | 99.8%            |
| SAU800776     | BFU100260       | 65%      | 66.1%          | 96.9%            |
| SAU800776     | BFU102355       | 63%      | 99.5%          | 99.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800776     | BMA107873       | 60%      | 49.3%          | 100%             |
| SAU800776     | CJU101577       | 53%      | 98.4%          | 99.8%            |
| SAU800776     | CPN201052       | 57%      | 95.6%          | 94.6%            |
| SAU800776     | CTR200865       | 55%      | 98.4%          | 98.3%            |
| SAU800776     | CAC102398       | 64%      | 99.3%          | 98.6%            |
| SAU800776     | CBO103490       | 65%      | 99.3%          | 98.6%            |
| SAU800776     | CDF100088       | 71%      | 22.6%          | 100%             |
| SAU800776     | CDF100292       | 69%      | 100%           | 96.0%            |
| SAU800776     | CDP100889       | 58%      | 98.8%          | 98.8%            |
| SAU800776     | EBC102297       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | EFA202223       | 74%      | 99.5%          | 99.3%            |
| SAU800776     | EFM100534       | 72%      | 88.2%          | 99.2%            |
| SAU800776     | ECO102719       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | HIN100911       | 59%      | 98.6%          | 98.9%            |
| SAU800776     | HPY100151       | 53%      | 96.1%          | 96.7%            |
| SAU800776     | KPN305114       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | LPN102643       | 56%      | 94.9%          | 96.2%            |
| SAU800776     | LMO102639       | 73%      | 100%           | 100%             |
| SAU800776     | MCA101099       | 58%      | 98.8%          | 95.5%            |
| SAU800776     | MAV105503       | 58%      | 98.8%          | 98.1%            |
| SAU800776     | MBV103580       | 56%      | 98.8%          | 95.9%            |
| SAU800776     | MLP100182       | 55%      | 98.8%          | 94.2%            |
| SAU800776     | MTU201012       | 56%      | 98.8%          | 98.1%            |
| SAU800776     | MGE100419       | 52%      | 98.8%          | 96.1%            |
| SAU800776     | MPN100236       | 52%      | 98.8%          | 96.5%            |
| SAU800776     | NGO100995       | 62%      | 100%           | 100%             |
| SAU800776     | NME201361       | 61%      | 100%           | 100%             |
| SAU800776     | PMU101871       | 59%      | 98.6%          | 98.8%            |
| SAU800776     | PRT101034       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | PAE203633       | 62%      | 98.8%          | 99.5%            |
| SAU800776     | PPU109835       | 61%      | 94.2%          | 99.5%            |
| SAU800776     | PSY104326       | 61%      | 98.8%          | 91.0%            |
| SAU800776     | SPA104184       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | STY103508       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | SAU800776       | 100%     | 100%           | 100%             |
| SAU800776     | SEP201419       | 94%      | 100%           | 100%             |
| SAU800776     | SHA101585       | 97%      | 40.1%          | 100%             |
| SAU800776     | SMU100190       | 82%      | 100%           | 100%             |
| SAU800776     | SPN401036       | 81%      | 100%           | 100%             |
| SAU800776     | SPY200535       | 81%      | 100%           | 100%             |
| SAU800776     | TPA100808       | 58%      | 98.8%          | 98.8%            |
| SAU800776     | UUR100184       | 45%      | 98.2%          | 98.9%            |
| SAU800776     | VCH102411       | 57%      | 98.4%          | 98.6%            |
| SAU800776     | YPS000129       | 58%      | 98.4%          | 98.8%            |
| SAU800777     | ECO200746       | 26%      | 55.9%          | 80%              |
| SAU800777     | KPN101512       | 27%      | 63.2%          | 72.8%            |
| SAU800777     | SAU800777       | 100%     | 100%           | 100%             |
| SAU800777     | SEP203649       | 65%      | 100%           | 100%             |
| SAU800777     | SHA100415       | 59%      | 97.4%          | 89.7%            |
| SAU800782     | ABA100100       | 42%      | 96.1%          | 94.3%            |
| SAU800782     | BAN113552       | 61%      | 97.4%          | 96.8%            |
| SAU800782     | BFR10554        | 49%      | 90.9%          | 94%              |
| SAU800782     | BPT101160       | 45%      | 92.9%          | 92.9%            |
| SAU800782     | BBU100033       | 47%      | 92.2%          | 94.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800782     | BCE114906       | 43%      | 93.5%          | 98.0%            |
| SAU800782     | BFU105731       | 42%      | 93.5%          | 98.0%            |
| SAU800782     | BMA109523       | 42%      | 93.5%          | 98.0%            |
| SAU800782     | CJU101031       | 40%      | 92.2%          | 96%              |
| SAU800782     | CPN200415       | 47%      | 100%           | 90.9%            |
| SAU800782     | CTR200342       | 47%      | 94.2%          | 96.0%            |
| SAU800782     | CAC101932       | 60%      | 98.1%          | 98.1%            |
| SAU800782     | CBO103142       | 65%      | 99.4%          | 98.1%            |
| SAU800782     | CDF101608       | 54%      | 100%           | 92.6%            |
| SAU800782     | CDP101712       | 49%      | 77.9%          | 94.5%            |
| SAU800782     | EBC102473       | 47%      | 98.1%          | 97.5%            |
| SAU800782     | EFA201607       | 62%      | 92.2%          | 92.2%            |
| SAU800782     | EFM200170       | 58%      | 92.2%          | 92.2%            |
| SAU800782     | ECO102567       | 46%      | 98.1%          | 97.5%            |
| SAU800782     | HIN100962       | 47%      | 98.1%          | 96.3%            |
| SAU800782     | HPY101423       | 37%      | 94.2%          | 96.7%            |
| SAU800782     | KPN301267       | 47%      | 98.1%          | 97.5%            |
| SAU800782     | LPN103276       | 45%      | 96.8%          | 96.2%            |
| SAU800782     | LMO101222       | 68%      | 93.5%          | 93.5%            |
| SAU800782     | MCA102816       | 46%      | 98.1%          | 98.1%            |
| SAU800782     | MAV101105       | 47%      | 98.1%          | 89.3%            |
| SAU800782     | MBV105886       | 48%      | 93.5%          | 90%              |
| SAU800782     | MLP100416       | 50%      | 93.5%          | 90%              |
| SAU800782     | MTU203060       | 48%      | 93.5%          | 90%              |
| SAU800782     | MGE100061       | 36%      | 92.2%          | 97.9%            |
| SAU800782     | MPN100081       | 37%      | 89.0%          | 93.2%            |
| SAU800782     | NGO100293       | 45%      | 92.2%          | 95.3%            |
| SAU800782     | NME201585       | 45%      | 92.2%          | 95.3%            |
| SAU800782     | PMU100217       | 45%      | 98.1%          | 96.9%            |
| SAU800782     | PRT103727       | 48%      | 98.1%          | 97.5%            |
| SAU800782     | PAE204764       | 45%      | 96.8%          | 94.3%            |
| SAU800782     | PPU108560       | 42%      | 96.8%          | 93.8%            |
| SAU800782     | PSY104780       | 42%      | 98.1%          | 95%              |
| SAU800782     | SPA103688       | 47%      | 98.1%          | 97.5%            |
| SAU800782     | STY102601       | 47%      | 98.1%          | 97.5%            |
| SAU800782     | STM102501       | 47%      | 98.1%          | 97.5%            |
| SAU800782     | SAU800782       | 100%     | 100%           | 100%             |
| SAU800782     | SEP201423       | 89%      | 100%           | 100%             |
| SAU800782     | SHA100862       | 86%      | 100%           | 100%             |
| SAU800782     | SMU101107       | 57%      | 96.1%          | 95.5%            |
| SAU800782     | SPN400879       | 60%      | 92.9%          | 92.3%            |
| SAU800782     | SPY200359       | 57%      | 92.2%          | 91.6%            |
| SAU800782     | TPA100182       | 42%      | 86.4%          | 99.3%            |
| SAU800782     | UUR100056       | 41%      | 92.2%          | 97.9%            |
| SAU800782     | VCH100832       | 43%      | 98.7%          | 98.1%            |
| SAU800782     | YPS002052       | 46%      | 98.1%          | 97.5%            |
| SAU800811     | BAN100965       | 20%      | 36.0%          | 19.6%            |
| SAU800811     | BAN111001       | 21%      | 5.3%           | 7.2%             |
| SAU800811     | BAN109365       | 18%      | 37.2%          | 25.7%            |
| SAU800811     | BFR100579       | 20%      | 33.7%          | 12.7%            |
| SAU800811     | BFR102947       | 19%      | 18.3%          | 20.9%            |
| SAU800811     | BFR101444       | 18%      | 12.9%          | 23.1%            |
| SAU800811     | BBU100325       | 24%      | 20.3%          | 15.5%            |
| SAU800811     | BFU103969       | 74%      | 14.0%          | 25%              |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800811     | BMA101165       | 50%      | 12.9%          | 15.2%            |
| SAU800811     | BMA103470       | 54%      | 6.8%           | 27.2%            |
| SAU800811     | BMA104606       | 29%      | 25.0%          | 64.3%            |
| SAU800811     | CJU101103       | 18%      | 29.5%          | 62.5%            |
| SAU800811     | CPN200033       | 17%      | 32.8%          | 29.9%            |
| SAU800811     | CAC102616       | 22%      | 19.1%          | 39.3%            |
| SAU800811     | CBO103272       | 14%      | 21.1%          | 59.3%            |
| SAU800811     | CBO103679       | 27%      | 2.9%           | 19.6%            |
| SAU800811     | CDF101661       | 24%      | 37.6%          | 65.9%            |
| SAU800811     | EFA203524       | 24%      | 25.1%          | 30.4%            |
| SAU800811     | EFM201584       | 17%      | 48.0%          | 58.5%            |
| SAU800811     | ECO103311       | 23%      | 25.0%          | 61.0%            |
| SAU800811     | HPY200074       | 17%      | 45.8%          | 33.9%            |
| SAU800811     | KPN206267       | 72%      | 35.0%          | 26.5%            |
| SAU800811     | LPN101461       | 35%      | 37.2%          | 43.2%            |
| SAU800811     | LMO101963       | 21%      | 15.3%          | 35.6%            |
| SAU800811     | LMO102167       | 36%      | 30.1%          | 60.9%            |
| SAU800811     | MCA100440       | 24%      | 6.2%           | 11.5%            |
| SAU800811     | MAV104123       | 30%      | 29.4%          | 12.4%            |
| SAU800811     | MBV101055       | 29%      | 9.7%           | 55.6%            |
| SAU800811     | MLP100905       | 30%      | 10.1%          | 63.1%            |
| SAU800811     | MTU202408       | 29%      | 9.7%           | 53.4%            |
| SAU800811     | MGE100318       | 19%      | 47.5%          | 39.7%            |
| SAU800811     | MPN100275       | 10%      | 32.2%          | 8.9%             |
| SAU800811     | MPN100632       | 24%      | 19.9%          | 24.1%            |
| SAU800811     | NME201599       | 17%      | 1.1%           | 11.9%            |
| SAU800811     | PAE203113       | 26%      | 4.6%           | 24.3%            |
| SAU800811     | PSY101467       | 16%      | 17.1%          | 60.2%            |
| SAU800811     | PSY103818       | 29%      | 8.9%           | 60.2%            |
| SAU800811     | PSY108790       | 15%      | 25.8%          | 26.2%            |
| SAU800811     | SPA103181       | 23%      | 38.0%          | 45.5%            |
| SAU800811     | STM102835       | 21%      | 34.5%          | 12.4%            |
| SAU800811     | SAU802630       | 40%      | 99.6%          | 98.7%            |
| SAU800811     | SAU800811       | 100%     | 100%           | 100%             |
| SAU800811     | SEP200110       | 28%      | 95.2%          | 26.3%            |
| SAU800811     | SHA100540       | 29%      | 96.3%          | 86.9%            |
| SAU800811     | SHA102998       | 26%      | 96.9%          | 59.9%            |
| SAU800811     | SHA100562       | 74%      | 38.6%          | 7.1%             |
| SAU800811     | SMU100238       | 24%      | 13.6%          | 20.4%            |
| SAU800811     | SMU100747       | 22%      | 20.5%          | 31.1%            |
| SAU800811     | SMU102548       | 21%      | 9.0%           | 25.0%            |
| SAU800811     | SPN401402       | 21%      | 95.4%          | 92.4%            |
| SAU800811     | SPY201545       | 24%      | 80.9%          | 60.7%            |
| SAU800811     | TPA100177       | 18%      | 34.2%          | 60.4%            |
| SAU800824     | ABA100587       | 27%      | 92.7%          | 95.0%            |
| SAU800824     | BAN104019       | 31%      | 42.5%          | 39.5%            |
| SAU800824     | BAN110518       | 27%      | 93.3%          | 86.8%            |
| SAU800824     | BFU103528       | 27%      | 98.4%          | 90.6%            |
| SAU800824     | CAC102383       | 28%      | 96.9%          | 93.9%            |
| SAU800824     | CDP100459       | 25%      | 93.8%          | 50.7%            |
| SAU800824     | EFM200186       | 26%      | 93.3%          | 88.5%            |
| SAU800824     | ECO100628       | 27%      | 95.3%          | 89.2%            |
| SAU800824     | KPN302086       | 27%      | 90.2%          | 84.2%            |
| SAU800824     | LMO101118       | 50%      | 98.4%          | 93.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800824     | MCA101119       | 29%      | 79.3%          | 75.1%            |
| SAU800824     | PMU100634       | 32%      | 78.2%          | 72.2%            |
| SAU800824     | PRT104691       | 27%      | 91.2%          | 85.1%            |
| SAU800824     | PAE201279       | 28%      | 79.8%          | 79.4%            |
| SAU800824     | PPU104544       | 24%      | 88.6%          | 92.0%            |
| SAU800824     | PSY104527       | 28%      | 93.8%          | 96.8%            |
| SAU800824     | SPA100941       | 27%      | 90.2%          | 84.2%            |
| SAU800824     | STY100639       | 27%      | 90.2%          | 84.2%            |
| SAU800824     | STM100395       | 27%      | 90.2%          | 84.2%            |
| SAU800824     | SAU800824       | 100%     | 100%           | 100%             |
| SAU800824     | SEP201439       | 54%      | 99.0%          | 98.5%            |
| SAU800824     | SHA102912       | 57%      | 99.0%          | 95.0%            |
| SAU800824     | SMU100876       | 47%      | 99.0%          | 96.0%            |
| SAU800824     | SPN400219       | 26%      | 95.9%          | 83.1%            |
| SAU800824     | SPY201361       | 30%      | 94.8%          | 89.4%            |
| SAU800829     | ABA105130       | 32%      | 88.7%          | 75.5%            |
| SAU800829     | CDF103551       | 32%      | 92.9%          | 85.7%            |
| SAU800829     | EFA201048       | 30%      | 96.2%          | 88.5%            |
| SAU800829     | EFM201252       | 31%      | 92.9%          | 88.1%            |
| SAU800829     | ECO101661       | 30%      | 97.5%          | 94.8%            |
| SAU800829     | KPN303925       | 30%      | 84.5%          | 78.8%            |
| SAU800829     | LMO100162       | 31%      | 96.2%          | 88.5%            |
| SAU800829     | NGO100151       | 29%      | 96.6%          | 88.2%            |
| SAU800829     | NME201519       | 29%      | 84.9%          | 75.8%            |
| SAU800829     | SPA103732       | 33%      | 91.6%          | 86.5%            |
| SAU800829     | STY101078       | 33%      | 91.6%          | 86.5%            |
| SAU800829     | SAU800829       | 100%     | 100%           | 100%             |
| SAU800829     | SEP201442       | 52%      | 100%           | 99.2%            |
| SAU800829     | SHA101462       | 48%      | 100%           | 98.8%            |
| SAU800829     | SMU100082       | 31%      | 96.6%          | 95.6%            |
| SAU800829     | SPN401234       | 29%      | 96.2%          | 96%              |
| SAU800829     | SPY200601       | 28%      | 96.2%          | 94.7%            |
| SAU800830     | ABA104578       | 23%      | 98.9%          | 94.8%            |
| SAU800830     | BAN104689       | 29%      | 87.2%          | 84.0%            |
| SAU800830     | BAN103413       | 31%      | 87.2%          | 83.9%            |
| SAU800830     | BPT101113       | 27%      | 92.2%          | 88.7%            |
| SAU800830     | BCE112795       | 25%      | 78.2%          | 60.7%            |
| SAU800830     | BMA100377       | 25%      | 79.3%          | 71.0%            |
| SAU800830     | CDF102776       | 22%      | 95.5%          | 95.0%            |
| SAU800830     | CDF103563       | 23%      | 97.8%          | 98.0%            |
| SAU800830     | EBC102075       | 20%      | 88.3%          | 87.4%            |
| SAU800830     | ECO101733       | 19%      | 88.3%          | 87.4%            |
| SAU800830     | KPN301345       | 20%      | 88.3%          | 87.4%            |
| SAU800830     | LMO102654       | 30%      | 96.1%          | 94.8%            |
| SAU800830     | MCA100181       | 24%      | 92.2%          | 90.6%            |
| SAU800830     | MAV100507       | 27%      | 26.3%          | 21.5%            |
| SAU800830     | MBV103592       | 27%      | 81.6%          | 36.6%            |
| SAU800830     | MLP100459       | 27%      | 81.6%          | 35.9%            |
| SAU800830     | MTU203219       | 27%      | 81.6%          | 36.6%            |
| SAU800830     | NGO101477       | 22%      | 97.8%          | 96.2%            |
| SAU800830     | NME201743       | 23%      | 97.8%          | 96.2%            |
| SAU800830     | PMU100672       | 21%      | 97.8%          | 96.2%            |
| SAU800830     | PRT105285       | 24%      | 88.3%          | 87.4%            |
| SAU800830     | PAE203206       | 26%      | 69.8%          | 69.9%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800830     | PPU101058       | 27%      | 88.3%          | 87.0%            |
| SAU800830     | PSY103113       | 25%      | 88.3%          | 87.1%            |
| SAU800830     | SAU800830       | 100%     | 100%           | 100%             |
| SAU800830     | SEP201443       | 74%      | 98.9%          | 98.3%            |
| SAU800830     | SHA100075       | 74%      | 91.1%          | 100%             |
| SAU800830     | VCH101029       | 22%      | 95.5%          | 95.1%            |
| SAU800830     | YPS000723       | 21%      | 88.3%          | 87.4%            |
| SAU800838     | BAN100632       | 51%      | 18.6%          | 81.1%            |
| SAU800838     | BAN105551       | 62%      | 78.8%          | 89.7%            |
| SAU800838     | BAN106583       | 60%      | 93.9%          | 98.2%            |
| SAU800838     | EBC102427       | 64%      | 93.5%          | 97.3%            |
| SAU800838     | EFA201706       | 65%      | 88.3%          | 89.5%            |
| SAU800838     | EFM202624       | 52%      | 100%           | 100%             |
| SAU800838     | LMO100272       | 63%      | 93.5%          | 96.4%            |
| SAU800838     | PAE205499       | 50%      | 92.6%          | 95.1%            |
| SAU800838     | PPU101954       | 50%      | 90.0%          | 93.3%            |
| SAU800838     | PSY101361       | 52%      | 90.0%          | 92.9%            |
| SAU800838     | SAU800838       | 100%     | 100%           | 100%             |
| SAU800838     | SEP201450       | 89%      | 100%           | 100%             |
| SAU800838     | SHA100333       | 90%      | 100%           | 97.5%            |
| SAU800838     | SMU100477       | 47%      | 89.6%          | 90.0%            |
| SAU800838     | SPN400150       | 45%      | 89.6%          | 89.6%            |
| SAU800838     | SPY200235       | 49%      | 89.2%          | 93.2%            |
| SAU800839     | BAN108234       | 42%      | 90.1%          | 94.7%            |
| SAU800839     | BAN111019       | 47%      | 99.3%          | 98.9%            |
| SAU800839     | BAN112085       | 54%      | 100%           | 99.6%            |
| SAU800839     | BAN109409       | 54%      | 99.3%          | 98.9%            |
| SAU800839     | BPT102993       | 45%      | 88.6%          | 90.5%            |
| SAU800839     | BCE106577       | 41%      | 89.0%          | 82.0%            |
| SAU800839     | BFU102709       | 38%      | 97.4%          | 97.8%            |
| SAU800839     | BMA104983       | 39%      | 98.9%          | 98.9%            |
| SAU800839     | CJU100710       | 36%      | 95.2%          | 98.4%            |
| SAU800839     | CJU100709       | 39%      | 88.6%          | 91.5%            |
| SAU800839     | CJU101125       | 44%      | 88.6%          | 89.3%            |
| SAU800839     | CJU100711       | 50%      | 87.9%          | 90.7%            |
| SAU800839     | CPN200473       | 32%      | 98.9%          | 97.4%            |
| SAU800839     | CAC100740       | 44%      | 99.6%          | 99.6%            |
| SAU800839     | CBO102481       | 28%      | 98.9%          | 98.2%            |
| SAU800839     | CBO101824       | 45%      | 99.3%          | 98.9%            |
| SAU800839     | CBO103909       | 48%      | 98.9%          | 98.1%            |
| SAU800839     | CDF100529       | 45%      | 99.6%          | 98.9%            |
| SAU800839     | EBC102434       | 50%      | 95.2%          | 97.8%            |
| SAU800839     | EFA201707       | 50%      | 99.3%          | 98.9%            |
| SAU800839     | EFM201963       | 50%      | 99.6%          | 97.9%            |
| SAU800839     | ECO100197       | 36%      | 98.2%          | 97.0%            |
| SAU800839     | HPY101541       | 40%      | 91.2%          | 90.4%            |
| SAU800839     | KPN301905       | 36%      | 98.2%          | 97.0%            |
| SAU800839     | LMO102507       | 50%      | 99.3%          | 98.9%            |
| SAU800839     | MPN100427       | 27%      | 23.8%          | 25.8%            |
| SAU800839     | NGO101326       | 31%      | 99.6%          | 97.2%            |
| SAU800839     | NME200471       | 31%      | 99.6%          | 97.2%            |
| SAU800839     | PMU101730       | 35%      | 98.9%          | 98.2%            |
| SAU800839     | PRT100159       | 35%      | 98.2%          | 97.0%            |
| SAU800839     | PAE205500       | 42%      | 96.7%          | 98.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800839     | PTU101952       | 42%      | 87.9%          | 91.8%            |
| SAU800839     | PSY101363       | 42%      | 99.6%          | 99.6%            |
| SAU800839     | SPA101556       | 31%      | 94.5%          | 92.4%            |
| SAU800839     | STY103993       | 38%      | 98.2%          | 97.0%            |
| SAU800839     | STM100616       | 31%      | 94.5%          | 92.4%            |
| SAU800839     | SAU800839       | 100%     | 100%           | 100%             |
| SAU800839     | SEP201451       | 82%      | 100%           | 100%             |
| SAU800839     | SHA101832       | 61%      | 99.3%          | 98.5%            |
| SAU800839     | SHA100334       | 83%      | 100%           | 100%             |
| SAU800839     | TPA100812       | 30%      | 98.5%          | 96.3%            |
| SAU800839     | YPS002011       | 36%      | 98.2%          | 97.0%            |
| SAU800842     | BAN103123       | 63%      | 97.2%          | 94.3%            |
| SAU800842     | BAN101569       | 80%      | 98.0%          | 95.0%            |
| SAU800842     | BFR11712        | 54%      | 97.2%          | 99.2%            |
| SAU800842     | BMA108445       | 37%      | 26.9%          | 1.5%             |
| SAU800842     | CPN200053       | 41%      | 95.3%          | 96.9%            |
| SAU800842     | CTR200057       | 41%      | 94.5%          | 96.1%            |
| SAU800842     | CAC102249       | 49%      | 94.1%          | 95.2%            |
| SAU800842     | CDF101006       | 31%      | 90.1%          | 90.9%            |
| SAU800842     | CDP100230       | 59%      | 82.2%          | 98.1%            |
| SAU800842     | EBC102240       | 51%      | 93.7%          | 99.6%            |
| SAU800842     | EFA200429       | 77%      | 98.0%          | 96.9%            |
| SAU800842     | EFM200729       | 74%      | 98.0%          | 96.5%            |
| SAU800842     | ECO101650       | 52%      | 96.4%          | 99.2%            |
| SAU800842     | KPN301757       | 53%      | 93.7%          | 99.6%            |
| SAU800842     | LPN102354       | 51%      | 96.0%          | 98%              |
| SAU800842     | LMO100672       | 79%      | 98.0%          | 95.0%            |
| SAU800842     | MAV103629       | 54%      | 94.9%          | 95.4%            |
| SAU800842     | MBV100927       | 56%      | 94.1%          | 91.7%            |
| SAU800842     | MLP100376       | 54%      | 94.9%          | 95.4%            |
| SAU800842     | MTU201442       | 56%      | 94.1%          | 91.7%            |
| SAU800842     | PRT102237       | 53%      | 95.3%          | 98.0%            |
| SAU800842     | SPA103735       | 52%      | 96.4%          | 99.2%            |
| SAU800842     | STY101052       | 52%      | 96.4%          | 99.2%            |
| SAU800842     | STM103512       | 52%      | 96.4%          | 99.2%            |
| SAU800842     | SAU800842       | 100%     | 100%           | 100%             |
| SAU800842     | SEP201453       | 96%      | 100%           | 100%             |
| SAU800842     | SHA102188       | 96%      | 100%           | 100%             |
| SAU800842     | SMU101500       | 75%      | 98.0%          | 96.9%            |
| SAU800842     | SPN400771       | 75%      | 98.0%          | 94.3%            |
| SAU800842     | SPY200210       | 71%      | 98.0%          | 96.9%            |
| SAU800842     | TPA100604       | 47%      | 95.7%          | 92.7%            |
| SAU800842     | YPS002982       | 51%      | 96.4%          | 99.2%            |
| SAU800845     | ABA105638       | 43%      | 51.3%          | 64.8%            |
| SAU800845     | BAN104147       | 70%      | 82.5%          | 95.5%            |
| SAU800845     | BAN105227       | 71%      | 90.3%          | 96.5%            |
| SAU800845     | BFR104306       | 36%      | 28.6%          | 18.9%            |
| SAU800845     | BPT100541       | 34%      | 93.5%          | 94.9%            |
| SAU800845     | BCE107071       | 35%      | 92.9%          | 94.1%            |
| SAU800845     | BFU114961       | 35%      | 94.2%          | 95.6%            |
| SAU800845     | BMA104959       | 37%      | 90.9%          | 87.7%            |
| SAU800845     | CJU100212       | 27%      | 53.9%          | 28.8%            |
| SAU800845     | CAC102210       | 36%      | 87.0%          | 95.1%            |
| SAU800845     | CBO101838       | 33%      | 84.4%          | 78.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800845     | CDF100896       | 32%      | 85.7%          | 78.1%            |
| SAU800845     | CDP100224       | 42%      | 92.2%          | 98.7%            |
| SAU800845     | EBC103106       | 32%      | 90.3%          | 96.9%            |
| SAU800845     | EFA200432       | 53%      | 96.1%          | 94.8%            |
| SAU800845     | EFM200870       | 51%      | 89.6%          | 88.5%            |
| SAU800845     | ECO102480       | 33%      | 90.3%          | 96.9%            |
| SAU800845     | HIN100356       | 45%      | 51.3%          | 65.9%            |
| SAU800845     | HPY100217       | 24%      | 94.2%          | 43.9%            |
| SAU800845     | KPN305521       | 32%      | 90.3%          | 96.9%            |
| SAU800845     | LPN102581       | 40%      | 85.7%          | 88.6%            |
| SAU800845     | LMO102434       | 58%      | 94.2%          | 98.6%            |
| SAU800845     | MCA100833       | 43%      | 51.3%          | 65.4%            |
| SAU800845     | MAV103625       | 35%      | 93.5%          | 96.1%            |
| SAU800845     | MBV100931       | 36%      | 96.1%          | 93.8%            |
| SAU800845     | MLP100378       | 38%      | 96.1%          | 91.5%            |
| SAU800845     | MTU201444       | 36%      | 96.1%          | 93.8%            |
| SAU800845     | MGE100346       | 22%      | 55.8%          | 63.0%            |
| SAU800845     | MPN100354       | 24%      | 58.4%          | 65%              |
| SAU800845     | NGO101047       | 44%      | 51.9%          | 65.6%            |
| SAU800845     | NME201455       | 44%      | 51.9%          | 65.6%            |
| SAU800845     | PMU100319       | 32%      | 90.3%          | 96.9%            |
| SAU800845     | PRT102918       | 31%      | 90.9%          | 97.7%            |
| SAU800845     | PAE203810       | 35%      | 83.1%          | 88.3%            |
| SAU800845     | PPU109766       | 31%      | 83.1%          | 88.3%            |
| SAU800845     | PSY103769       | 31%      | 83.1%          | 88.3%            |
| SAU800845     | SPA100052       | 44%      | 51.3%          | 68.0%            |
| SAU800845     | STY105166       | 32%      | 90.3%          | 96.9%            |
| SAU800845     | SAU800845       | 100%     | 100%           | 100%             |
| SAU800845     | SEP201458       | 95%      | 100%           | 100%             |
| SAU800845     | SHA102191       | 96%      | 99.4%          | 100%             |
| SAU800845     | SMU101506       | 47%      | 93.5%          | 99.3%            |
| SAU800845     | SPN400774       | 45%      | 89.6%          | 94.5%            |
| SAU800845     | SPY200213       | 44%      | 99.4%          | 95.0%            |
| SAU800845     | TPA100608       | 32%      | 83.8%          | 89.1%            |
| SAU800845     | UUR100458       | 30%      | 86.4%          | 87.1%            |
| SAU800845     | VCH100736       | 43%      | 51.3%          | 65.4%            |
| SAU800845     | YPS006083       | 40%      | 51.3%          | 64.8%            |
| SAU800920     | ABA103984       | 34%      | 90.7%          | 92.5%            |
| SAU800920     | BAN109941       | 42%      | 97.7%          | 99.1%            |
| SAU800920     | BAN109931       | 43%      | 98.3%          | 95.9%            |
| SAU800920     | BFR10878        | 32%      | 81.4%          | 77.7%            |
| SAU800920     | BPT102310       | 24%      | 55.5%          | 58.2%            |
| SAU800920     | BCE107000       | 43%      | 61.7%          | 85.2%            |
| SAU800920     | BFU102931       | 27%      | 81.4%          | 70%              |
| SAU800920     | BMA109386       | 40%      | 88.2%          | 95.4%            |
| SAU800920     | CJU101195       | 26%      | 79.4%          | 78.0%            |
| SAU800920     | CAC101529       | 33%      | 91.3%          | 89.7%            |
| SAU800920     | CBO100347       | 31%      | 99.2%          | 99.4%            |
| SAU800920     | CDF100344       | 43%      | 18.3%          | 90.3%            |
| SAU800920     | CDF101769       | 34%      | 98.0%          | 96.5%            |
| SAU800920     | EFA200241       | 32%      | 97.5%          | 96.2%            |
| SAU800920     | HPY100760       | 34%      | 35.8%          | 35.0%            |
| SAU800920     | KPN303298       | 38%      | 91.0%          | 92.6%            |
| SAU800920     | LPN101854       | 42%      | 95.8%          | 97.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800920     | LMO102611       | 32%      | 97.5%          | 97.4%            |
| SAU800920     | MAV106430       | 34%      | 93.8%          | 97.3%            |
| SAU800920     | MBV101237       | 32%      | 93.5%          | 95.9%            |
| SAU800920     | MTU202743       | 32%      | 93.5%          | 95.9%            |
| SAU800920     | NGO100380       | 29%      | 23.9%          | 22.0%            |
| SAU800920     | NME201526       | 26%      | 23.9%          | 22.0%            |
| SAU800920     | PAE204199       | 35%      | 96.9%          | 98.9%            |
| SAU800920     | PPU110056       | 33%      | 96.6%          | 95.6%            |
| SAU800920     | PSY105312       | 44%      | 43.1%          | 84.4%            |
| SAU800920     | SAU800920       | 100%     | 100%           | 100%             |
| SAU800920     | SEP100265       | 56%      | 98.6%          | 98.6%            |
| SAU800920     | SHA100955       | 68%      | 99.2%          | 98.9%            |
| SAU800920     | SMU100545       | 35%      | 78.9%          | 72.9%            |
| SAU800920     | SPN400379       | 33%      | 91.3%          | 87.3%            |
| SAU800920     | SPY201350       | 36%      | 81.4%          | 75.2%            |
| SAU800924     | ABA101031       | 46%      | 92.5%          | 86.0%            |
| SAU800924     | ABA105312       | 47%      | 92.1%          | 82.2%            |
| SAU800924     | BAN108575       | 69%      | 89.8%          | 99.6%            |
| SAU800924     | BAN112410       | 76%      | 97.7%          | 99.7%            |
| SAU800924     | BFR10610        | 47%      | 93.1%          | 97.6%            |
| SAU800924     | BPT101468       | 48%      | 93.4%          | 85.9%            |
| SAU800924     | BCE114309       | 50%      | 93.4%          | 86.7%            |
| SAU800924     | BFU109309       | 51%      | 93.4%          | 83.1%            |
| SAU800924     | BMA108104       | 51%      | 93.4%          | 86.9%            |
| SAU800924     | CPN201019       | 47%      | 90.5%          | 89.6%            |
| SAU800924     | CTR200836       | 45%      | 94.4%          | 92.9%            |
| SAU800924     | CDP100404       | 40%      | 63.0%          | 80.2%            |
| SAU800924     | EBC101385       | 52%      | 94.1%          | 89.7%            |
| SAU800924     | ECO100618       | 51%      | 94.1%          | 89.7%            |
| SAU800924     | HIN100025       | 52%      | 93.4%          | 89.4%            |
| SAU800924     | KPN302685       | 51%      | 94.1%          | 89.7%            |
| SAU800924     | LPN101740       | 52%      | 92.5%          | 92.8%            |
| SAU800924     | MCA103689       | 45%      | 92.1%          | 77.8%            |
| SAU800924     | MAV106038       | 46%      | 94.4%          | 92.8%            |
| SAU800924     | MBV104457       | 45%      | 94.4%          | 91.6%            |
| SAU800924     | MLP100518       | 46%      | 93.4%          | 89.8%            |
| SAU800924     | MTU202184       | 45%      | 94.4%          | 91.6%            |
| SAU800924     | NGO100285       | 50%      | 94.8%          | 88.1%            |
| SAU800924     | NME201265       | 50%      | 94.8%          | 88.1%            |
| SAU800924     | PMU101930       | 51%      | 92.8%          | 88.8%            |
| SAU800924     | PRT102872       | 51%      | 94.1%          | 89.7%            |
| SAU800924     | PAE203993       | 44%      | 93.1%          | 86.9%            |
| SAU800924     | PPU107592       | 46%      | 93.8%          | 85.4%            |
| SAU800924     | PSY105080       | 46%      | 93.4%          | 85.1%            |
| SAU800924     | SPA102529       | 49%      | 94.1%          | 89.7%            |
| SAU800924     | STY101450       | 50%      | 94.1%          | 89.7%            |
| SAU800924     | SAU800924       | 100%     | 100%           | 100%             |
| SAU800924     | SEP201476       | 95%      | 99.7%          | 100%             |
| SAU800924     | SHA100744       | 95%      | 99.3%          | 98.4%            |
| SAU800924     | VCH100927       | 51%      | 94.1%          | 89.7%            |
| SAU800924     | YPS001177       | 53%      | 94.1%          | 89.7%            |
| SAU800925     | BAN102521       | 51%      | 70.9%          | 100%             |
| SAU800925     | BAN107044       | 51%      | 70.9%          | 89.1%            |
| SAU800925     | EFA200745       | 42%      | 74.0%          | 45.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800925     | EFM200884       | 47%      | 72.4%          | 40.9%            |
| SAU800925     | LMO101257       | 55%      | 67.7%          | 94.5%            |
| SAU800925     | SAU800925       | 100%     | 100%           | 100%             |
| SAU800925     | SEP201478       | 77%      | 99.2%          | 93.8%            |
| SAU800925     | SHA100745       | 70%      | 100%           | 97.7%            |
| SAU800925     | SMU100024       | 47%      | 74.0%          | 51.6%            |
| SAU800925     | SPN400675       | 48%      | 63.0%          | 44.9%            |
| SAU800925     | SPY201183       | 52%      | 66.9%          | 39.3%            |
| SAU800931     | BAN105857       | 53%      | 58%            | 62.5%            |
| SAU800931     | SAU800931       | 100%     | 100%           | 100%             |
| SAU800931     | SEP202312       | 78%      | 94%            | 97.9%            |
| SAU800931     | SHA103119       | 90%      | 80%            | 81.6%            |
| SAU800931     | SPY103176       | 46%      | 58%            | 76.9%            |
| SAU800932     | BAN108686       | 39%      | 98.1%          | 98.8%            |
| SAU800932     | BAN113463       | 44%      | 98.1%          | 98.4%            |
| SAU800932     | BPT102923       | 35%      | 96.1%          | 94.3%            |
| SAU800932     | CJU101231       | 29%      | 94.2%          | 93.8%            |
| SAU800932     | CDF103976       | 38%      | 96.9%          | 98.0%            |
| SAU800932     | EBC102291       | 36%      | 95.7%          | 93.7%            |
| SAU800932     | EFA200814       | 42%      | 99.8%          | 99.6%            |
| SAU800932     | EFM201145       | 41%      | 95.7%          | 95.6%            |
| SAU800932     | LMO100987       | 40%      | 99.6%          | 99.4%            |
| SAU800932     | SAU800932       | 100%     | 100%           | 100%             |
| SAU800932     | SEP201491       | 75%      | 100%           | 100%             |
| SAU800932     | SHA100310       | 72%      | 99.8%          | 99.8%            |
| SAU800932     | SMU100418       | 32%      | 99.4%          | 98.4%            |
| SAU800932     | SPN401979       | 35%      | 94.4%          | 99.0%            |
| SAU800932     | SPY201011       | 38%      | 99.4%          | 99.0%            |
| SAU800932     | VCH101555       | 28%      | 71.5%          | 63.5%            |
| SAU800942     | ABA101554       | 36%      | 72.5%          | 73.0%            |
| SAU800942     | BAN111566       | 30%      | 76.4%          | 80.9%            |
| SAU800942     | BAN105261       | 36%      | 84.5%          | 84.4%            |
| SAU800942     | BPT101764       | 38%      | 66.4%          | 64.9%            |
| SAU800942     | BCE113716       | 32%      | 85.3%          | 83.1%            |
| SAU800942     | BFU111857       | 31%      | 98.4%          | 94.9%            |
| SAU800942     | BMA108381       | 31%      | 98.4%          | 95.8%            |
| SAU800942     | CJU100859       | 36%      | 72.3%          | 75.6%            |
| SAU800942     | CPN200364       | 33%      | 95.5%          | 91.0%            |
| SAU800942     | CTR200310       | 31%      | 90.4%          | 89.6%            |
| SAU800942     | CDF101233       | 32%      | 88.2%          | 89.9%            |
| SAU800942     | CDP100388       | 37%      | 71.9%          | 71%              |
| SAU800942     | EBC104062       | 35%      | 72.9%          | 71.8%            |
| SAU800942     | ECO104150       | 35%      | 72.9%          | 71.8%            |
| SAU800942     | HIN101670       | 32%      | 100%           | 99.6%            |
| SAU800942     | HPY100563       | 35%      | 71.9%          | 74.4%            |
| SAU800942     | KPN303509       | 35%      | 72.9%          | 71.8%            |
| SAU800942     | LPN102543       | 38%      | 65.0%          | 65.0%            |
| SAU800942     | MCA103090       | 37%      | 72.9%          | 77.3%            |
| SAU800942     | MAV101182       | 36%      | 71.1%          | 68.5%            |
| SAU800942     | MBV104444       | 36%      | 71.1%          | 68.7%            |
| SAU800942     | MLP100524       | 36%      | 71.1%          | 67.7%            |
| SAU800942     | MTU202179       | 36%      | 71.1%          | 68.9%            |
| SAU800942     | MGE100403       | 34%      | 61.3%          | 67.6%            |
| SAU800942     | MPN100270       | 38%      | 59.7%          | 65.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800942     | NGO101321       | 38%      | 75.6%          | 78.2%            |
| SAU800942     | NME201617       | 39%      | 75.6%          | 78.2%            |
| SAU800942     | PMU100195       | 29%      | 100%           | 99.2%            |
| SAU800942     | PRT100707       | 36%      | 71.9%          | 84.7%            |
| SAU800942     | PAE203828       | 36%      | 92.7%          | 87.5%            |
| SAU800942     | PPU104070       | 34%      | 85.3%          | 92.9%            |
| SAU800942     | PSY104267       | 35%      | 85.3%          | 89.1%            |
| SAU800942     | SPA100451       | 36%      | 71.9%          | 87.9%            |
| SAU800942     | STY104012       | 35%      | 72.9%          | 71.8%            |
| SAU800942     | SAU800942       | 100%     | 100%           | 100%             |
| SAU800942     | SEP201511       | 59%      | 100%           | 99.6%            |
| SAU800942     | SHA100914       | 59%      | 99.6%          | 99.8%            |
| SAU800942     | UUR100512       | 34%      | 77.8%          | 83.1%            |
| SAU800942     | VCH102465       | 36%      | 71.9%          | 70.6%            |
| SAU800942     | YPS000931       | 36%      | 72.9%          | 71.8%            |
| SAU800951     | PMU101172       | 29%      | 69.0%          | 38.8%            |
| SAU800951     | SAU800951       | 100%     | 100%           | 100%             |
| SAU800951     | SEP200154       | 84%      | 100%           | 98.6%            |
| SAU800951     | SHA101855       | 71%      | 100%           | 99.3%            |
| SAU800952     | ABA105732       | 38%      | 98.9%          | 82.8%            |
| SAU800952     | BAN107647       | 33%      | 46.2%          | 61.2%            |
| SAU800952     | BAN110840       | 34%      | 60.0%          | 73.7%            |
| SAU800952     | BFR11026        | 33%      | 61.4%          | 76.5%            |
| SAU800952     | BPT102936       | 35%      | 98.0%          | 79.5%            |
| SAU800952     | BBU100411       | 24%      | 20.5%          | 56.0%            |
| SAU800952     | BCE105760       | 30%      | 52.9%          | 60.2%            |
| SAU800952     | BMA103273       | 30%      | 52.9%          | 60.5%            |
| SAU800952     | CJU101474       | 33%      | 52.8%          | 66.1%            |
| SAU800952     | CBO101784       | 33%      | 10.4%          | 85%              |
| SAU800952     | CDP101683       | 30%      | 97.5%          | 83.4%            |
| SAU800952     | EBC104021       | 28%      | 70.5%          | 87.6%            |
| SAU800952     | ECO102236       | 29%      | 70.5%          | 87.6%            |
| SAU800952     | HPY101254       | 30%      | 70.3%          | 86.8%            |
| SAU800952     | KPN303099       | 27%      | 70.5%          | 87.6%            |
| SAU800952     | LMO101343       | 51%      | 99.4%          | 99.8%            |
| SAU800952     | MAV103503       | 34%      | 52.8%          | 64.2%            |
| SAU800952     | MBV105172       | 31%      | 60.5%          | 72.4%            |
| SAU800952     | MTU203113       | 31%      | 60.5%          | 72.4%            |
| SAU800952     | NGO100646       | 28%      | 60.8%          | 74.5%            |
| SAU800952     | NME200002       | 29%      | 60.8%          | 74.5%            |
| SAU800952     | PMU101184       | 29%      | 12.2%          | 31.8%            |
| SAU800952     | PRT104399       | 31%      | 61.4%          | 78.6%            |
| SAU800952     | PAE201053       | 38%      | 97.6%          | 81.7%            |
| SAU800952     | PPU111359       | 34%      | 98.0%          | 80.1%            |
| SAU800952     | PSY104130       | 35%      | 91.3%          | 78.0%            |
| SAU800952     | SPA100263       | 30%      | 44.4%          | 84.3%            |
| SAU800952     | STY100604       | 28%      | 70.5%          | 87.6%            |
| SAU800952     | SAU800952       | 100%     | 100%           | 100%             |
| SAU800952     | SEP200156       | 80%      | 100%           | 100%             |
| SAU800952     | SHA101854       | 78%      | 100%           | 99.5%            |
| SAU800952     | SMU100737       | 27%      | 20.0%          | 74.6%            |
| SAU800952     | VCH102892       | 34%      | 94.1%          | 81.9%            |
| SAU800952     | YPS000434       | 29%      | 70.5%          | 87.8%            |
| SAU800962     | ABA104828       | 21%      | 78.1%          | 66.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800962     | BAN107886       | 49%      | 98.2%          | 100%             |
| SAU800962     | BAN113216       | 70%      | 99.8%          | 99.3%            |
| SAU800962     | BFR10381        | 50%      | 99.3%          | 100%             |
| SAU800962     | BPT100657       | 27%      | 80.1%          | 72.2%            |
| SAU800962     | BBU100729       | 24%      | 81.0%          | 69.5%            |
| SAU800962     | BCE100058       | 24%      | 84.0%          | 68.0%            |
| SAU800962     | BFU101343       | 24%      | 81.3%          | 68.5%            |
| SAU800962     | BMA107745       | 24%      | 83.3%          | 69.4%            |
| SAU800962     | CJU101444       | 30%      | 79.2%          | 84.5%            |
| SAU800962     | CPN200812       | 24%      | 87.4%          | 75.1%            |
| SAU800962     | CTR200647       | 25%      | 84.9%          | 72.7%            |
| SAU800962     | CAC100048       | 64%      | 99.1%          | 98.7%            |
| SAU800962     | CBO102016       | 60%      | 99.3%          | 97.8%            |
| SAU800962     | CDF103720       | 63%      | 100%           | 99.8%            |
| SAU800962     | CDP100102       | 25%      | 78.1%          | 66.9%            |
| SAU800962     | EBC103837       | 24%      | 78.1%          | 67.5%            |
| SAU800962     | EFA202329       | 64%      | 100%           | 100%             |
| SAU800962     | EFM202538       | 66%      | 100%           | 100%             |
| SAU800962     | ECO103919       | 28%      | 48.3%          | 38.3%            |
| SAU800962     | HIN101544       | 23%      | 93.9%          | 78.5%            |
| SAU800962     | HPY101149       | 24%      | 81.9%          | 71.0%            |
| SAU800962     | KPN302607       | 24%      | 78.1%          | 66.7%            |
| SAU800962     | LPN103064       | 21%      | 35.4%          | 71.7%            |
| SAU800962     | LMO101990       | 67%      | 100%           | 99.6%            |
| SAU800962     | MCA101062       | 23%      | 77.9%          | 67.5%            |
| SAU800962     | MAV105583       | 23%      | 79.5%          | 66.8%            |
| SAU800962     | MBV101975       | 24%      | 79.5%          | 66.9%            |
| SAU800962     | MLP100108       | 23%      | 79.9%          | 67.1%            |
| SAU800962     | MTU200937       | 24%      | 79.5%          | 66.9%            |
| SAU800962     | MGE100113       | 34%      | 95.7%          | 97.5%            |
| SAU800962     | MPN100582       | 33%      | 92.6%          | 94.9%            |
| SAU800962     | NGO101248       | 24%      | 84.0%          | 69.7%            |
| SAU800962     | NME201465       | 24%      | 84.0%          | 72.3%            |
| SAU800962     | PMU100416       | 24%      | 78.1%          | 66.8%            |
| SAU800962     | PRT101480       | 23%      | 78.1%          | 66.8%            |
| SAU800962     | PAE204728       | 20%      | 91.6%          | 74.2%            |
| SAU800962     | PPU108446       | 22%      | 82.6%          | 69.0%            |
| SAU800962     | PPU108272       | 22%      | 82.6%          | 69.0%            |
| SAU800962     | PSY100665       | 23%      | 49.0%          | 38.6%            |
| SAU800962     | SPA103272       | 28%      | 48.3%          | 38.5%            |
| SAU800962     | STY101906       | 24%      | 78.1%          | 66.7%            |
| SAU800962     | STM102761       | 24%      | 78.1%          | 66.7%            |
| SAU800962     | SAU800962       | 100%     | 100%           | 100%             |
| SAU800962     | SEP200169       | 90%      | 100%           | 100%             |
| SAU800962     | SHA100475       | 100%     | 12.2%          | 100%             |
| SAU800962     | SHA101567       | 92%      | 100%           | 100%             |
| SAU800962     | SHA102448       | 92%      | 100%           | 100%             |
| SAU800962     | SMU100622       | 62%      | 100%           | 100%             |
| SAU800962     | SPN401879       | 63%      | 100%           | 100%             |
| SAU800962     | SPY200159       | 63%      | 100%           | 100%             |
| SAU800962     | TPA100471       | 23%      | 87.8%          | 77.2%            |
| SAU800962     | VCH100369       | 23%      | 78.1%          | 66.5%            |
| SAU800962     | YPS003348       | 24%      | 78.1%          | 66.8%            |
| SAU800965     | ABA104917       | 27%      | 91.6%          | 80%              |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800965     | BAN110074       | 48%      | 78.0%          | 98.6%            |
| SAU800965     | BAN104864       | 45%      | 96.9%          | 96.8%            |
| SAU800965     | BFR104933       | 52%      | 23.6%          | 38.8%            |
| SAU800965     | BFR102922       | 35%      | 56.5%          | 48.0%            |
| SAU800965     | BFR103785       | 30%      | 92.7%          | 93.2%            |
| SAU800965     | BPT102614       | 32%      | 90.1%          | 74.1%            |
| SAU800965     | BBU100262       | 24%      | 86.9%          | 94.0%            |
| SAU800965     | BCE109420       | 30%      | 92.1%          | 73.4%            |
| SAU800965     | BFU101296       | 31%      | 92.1%          | 73.4%            |
| SAU800965     | BMA103433       | 33%      | 92.1%          | 73.4%            |
| SAU800965     | CJU100795       | 25%      | 94.2%          | 87.9%            |
| SAU800965     | CPN200652       | 47%      | 22.5%          | 54.6%            |
| SAU800965     | CTR200284       | 45%      | 22.5%          | 54.5%            |
| SAU800965     | CAC103745       | 37%      | 91.6%          | 90.2%            |
| SAU800965     | CBO101026       | 33%      | 94.2%          | 93.8%            |
| SAU800965     | CBO103680       | 34%      | 91.6%          | 93.1%            |
| SAU800965     | CDF102071       | 38%      | 93.7%          | 94.9%            |
| SAU800965     | CDF103915       | 41%      | 93.7%          | 94.9%            |
| SAU800965     | CDF100857       | 42%      | 92.1%          | 91.2%            |
| SAU800965     | CDP101133       | 26%      | 92.7%          | 84.1%            |
| SAU800965     | EBC102413       | 23%      | 91.1%          | 75.9%            |
| SAU800965     | EFA201207       | 39%      | 92.7%          | 92.4%            |
| SAU800965     | EFA201464       | 42%      | 93.2%          | 92.3%            |
| SAU800965     | EFA202010       | 33%      | 85.3%          | 95.2%            |
| SAU800965     | EFA200470       | 36%      | 88.5%          | 63.9%            |
| SAU800965     | EFM200768       | 51%      | 55.5%          | 82.1%            |
| SAU800965     | ECO102519       | 23%      | 91.1%          | 75.9%            |
| SAU800965     | HIN100014       | 24%      | 88.5%          | 69.1%            |
| SAU800965     | HPY100569       | 22%      | 89.5%          | 81.0%            |
| SAU800965     | KPN303155       | 34%      | 91.1%          | 75.9%            |
| SAU800965     | LMO101081       | 45%      | 85.3%          | 88.3%            |
| SAU800965     | MCA102001       | 26%      | 91.6%          | 66.8%            |
| SAU800965     | MAV102887       | 26%      | 93.7%          | 76.9%            |
| SAU800965     | MBV102295       | 27%      | 93.7%          | 75.2%            |
| SAU800965     | MLP100983       | 26%      | 93.7%          | 78.9%            |
| SAU800965     | MTU202865       | 27%      | 93.7%          | 75.2%            |
| SAU800965     | NGO100038       | 27%      | 85.9%          | 67.3%            |
| SAU800965     | NME200899       | 28%      | 85.9%          | 78.1%            |
| SAU800965     | PMU100062       | 26%      | 86.9%          | 67.4%            |
| SAU800965     | PRT105741       | 25%      | 99.0%          | 80.2%            |
| SAU800965     | PAE200767       | 29%      | 89.5%          | 72.2%            |
| SAU800965     | PAE201302       | 33%      | 78.0%          | 76.5%            |
| SAU800965     | PPU107909       | 28%      | 93.2%          | 75.7%            |
| SAU800965     | PSY102320       | 27%      | 93.2%          | 75.7%            |
| SAU800965     | SPA100368       | 33%      | 44.0%          | 40.7%            |
| SAU800965     | STY102115       | 33%      | 85.9%          | 72.8%            |
| SAU800965     | SAU800965       | 100%     | 100%           | 100%             |
| SAU800965     | SEP200178       | 79%      | 100%           | 100%             |
| SAU800965     | SHA101671       | 75%      | 99.5%          | 100%             |
| SAU800965     | SMU101279       | 38%      | 94.8%          | 97.4%            |
| SAU800965     | SPN400364       | 35%      | 92.7%          | 95.6%            |
| SAU800965     | SPY201418       | 36%      | 93.7%          | 97.5%            |
| SAU800965     | TPA100183       | 24%      | 90.1%          | 89.4%            |
| SAU800965     | VCH102426       | 29%      | 87.4%          | 72.1%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800965     | YPS002228       | 36%      | 90.1%          | 74.7%            |
| SAU800966     | BAN101759       | 25%      | 99.4%          | 99.8%            |
| SAU800966     | BAN107464       | 32%      | 98.3%          | 98.6%            |
| SAU800966     | CAC100694       | 28%      | 98.3%          | 97.9%            |
| SAU800966     | CBO102997       | 28%      | 97.8%          | 97.7%            |
| SAU800966     | CDF103113       | 27%      | 98.5%          | 99.0%            |
| SAU800966     | EFA201462       | 24%      | 94.7%          | 94.1%            |
| SAU800966     | EFM200885       | 24%      | 99.2%          | 99.4%            |
| SAU800966     | LMO100290       | 30%      | 97.9%          | 98.2%            |
| SAU800966     | PRT100901       | 22%      | 30.9%          | 31.9%            |
| SAU800966     | SAU800966       | 100%     | 100%           | 100%             |
| SAU800966     | SEP200180       | 72%      | 99.2%          | 99.1%            |
| SAU800966     | SHA101672       | 70%      | 99.4%          | 99.1%            |
| SAU800966     | SMU100470       | 21%      | 86.7%          | 86.8%            |
| SAU800966     | SPN401039       | 19%      | 82.7%          | 83.9%            |
| SAU800966     | SPY200571       | 20%      | 93.5%          | 93.6%            |
| SAU800967     | BAN111196       | 34%      | 98.5%          | 99.1%            |
| SAU800967     | BAN105909       | 36%      | 99.2%          | 98.8%            |
| SAU800967     | BFR102381       | 20%      | 70.3%          | 78.2%            |
| SAU800967     | BBU100632       | 21%      | 97.0%          | 94.2%            |
| SAU800967     | CTR200007       | 20%      | 77.5%          | 80.6%            |
| SAU800967     | CAC103739       | 32%      | 98.8%          | 99.0%            |
| SAU800967     | CBO101540       | 32%      | 98.8%          | 99.1%            |
| SAU800967     | CDF102097       | 31%      | 98.0%          | 98.4%            |
| SAU800967     | EBC102605       | 21%      | 97.5%          | 95.7%            |
| SAU800967     | EFA201460       | 32%      | 99.8%          | 98.2%            |
| SAU800967     | EFM200194       | 34%      | 98.8%          | 98.4%            |
| SAU800967     | LMO102657       | 35%      | 99.4%          | 98.7%            |
| SAU800967     | SAU800967       | 100%     | 100%           | 100%             |
| SAU800967     | SEP200182       | 75%      | 99.8%          | 99.3%            |
| SAU800967     | SHA101673       | 66%      | 99.8%          | 99.2%            |
| SAU800967     | SMU100467       | 30%      | 98.2%          | 96.6%            |
| SAU800967     | SPN401040       | 30%      | 98.2%          | 96.6%            |
| SAU800967     | SPY200572       | 29%      | 98.2%          | 96.5%            |
| SAU800967     | TPA100888       | 20%      | 98.6%          | 97.3%            |
| SAU800968     | ABA100124       | 32%      | 66.3%          | 92.0%            |
| SAU800968     | BAN101423       | 36%      | 93.7%          | 100%             |
| SAU800968     | BAN104355       | 41%      | 99.3%          | 99.7%            |
| SAU800968     | BFR11202        | 30%      | 58.3%          | 87.7%            |
| SAU800968     | BPT105862       | 36%      | 69.3%          | 73.1%            |
| SAU800968     | BCE110171       | 39%      | 65.7%          | 70.7%            |
| SAU800968     | BFU110006       | 43%      | 77.7%          | 79.6%            |
| SAU800968     | BMA105697       | 38%      | 65.7%          | 66.9%            |
| SAU800968     | CJU100021       | 40%      | 70.7%          | 75%              |
| SAU800968     | CDF103166       | 34%      | 99.3%          | 97.7%            |
| SAU800968     | CDF101613       | 42%      | 71%            | 73.3%            |
| SAU800968     | CDP100223       | 32%      | 73.3%          | 77.0%            |
| SAU800968     | EBC102101       | 34%      | 100%           | 96.5%            |
| SAU800968     | ECO101153       | 31%      | 69.3%          | 93.2%            |
| SAU800968     | KPN303993       | 36%      | 83%            | 2.4%             |
| SAU800968     | LPN100114       | 24%      | 40.7%          | 38.9%            |
| SAU800968     | LMO102616       | 40%      | 100%           | 99.6%            |
| SAU800968     | MCA102285       | 29%      | 59.7%          | 83.8%            |
| SAU800968     | MAV100179       | 35%      | 73%            | 79.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800968     | MBV101328       | 36%      | 73%            | 79.6%            |
| SAU800968     | MLP101033       | 35%      | 73%            | 88.4%            |
| SAU800968     | MTU202955       | 36%      | 73%            | 88.3%            |
| SAU800968     | NGO100109       | 27%      | 66%            | 89.4%            |
| SAU800968     | NME201411       | 28%      | 66%            | 89.4%            |
| SAU800968     | PMU101529       | 37%      | 81%            | 92.5%            |
| SAU800968     | PRT105162       | 32%      | 59.7%          | 83.5%            |
| SAU800968     | PAB204119       | 35%      | 81%            | 91.1%            |
| SAU800968     | PPU102070       | 31%      | 59.7%          | 82.8%            |
| SAU800968     | PSY107523       | 29%      | 69.3%          | 92.8%            |
| SAU800968     | SPA104517       | 38%      | 68%            | 93.0%            |
| SAU800968     | STY103635       | 35%      | 88%            | 8.6%             |
| SAU800968     | STM104158       | 34%      | 99.3%          | 94.2%            |
| SAU800968     | SAU800968       | 100%     | 100%           | 100%             |
| SAU800968     | SEP200184       | 87%      | 100%           | 99.7%            |
| SAU800968     | SHA101674       | 89%      | 100%           | 99.7%            |
| SAU800968     | VCH103722       | 25%      | 65%            | 90.7%            |
| SAU800968     | YPS003019       | 34%      | 82%            | 93.6%            |
| SAU800974     | ABA104297       | 26%      | 56.3%          | 94.9%            |
| SAU800974     | BAN111897       | 23%      | 49.3%          | 76.8%            |
| SAU800974     | BFR101716       | 26%      | 57.1%          | 87.9%            |
| SAU800974     | BCE100247       | 32%      | 57.3%          | 50.9%            |
| SAU800974     | BCE111953       | 32%      | 57.3%          | 49.5%            |
| SAU800974     | CJU101565       | 25%      | 43.2%          | 55.9%            |
| SAU800974     | CDP100706       | 37%      | 62.4%          | 98.7%            |
| SAU800974     | EFA200943       | 35%      | 97.5%          | 97.8%            |
| SAU800974     | EFM101912       | 38%      | 28.3%          | 100%             |
| SAU800974     | KPN309179       | 29%      | 13.1%          | 16.1%            |
| SAU800974     | NGO101759       | 32%      | 63.6%          | 57.9%            |
| SAU800974     | NME202037       | 32%      | 65.7%          | 61.4%            |
| SAU800974     | PSY104429       | 31%      | 61.6%          | 54.0%            |
| SAU800974     | STM100162       | 31%      | 58.3%          | 53.9%            |
| SAU800974     | SAU800974       | 100%     | 100%           | 100%             |
| SAU800974     | SEP200198       | 68%      | 98.3%          | 98.0%            |
| SAU800974     | SHA100654       | 67%      | 99.2%          | 98.2%            |
| SAU800974     | YPS001466       | 22%      | 19.5%          | 20.5%            |
| SAU800975     | ABA101867       | 51%      | 99.8%          | 99.9%            |
| SAU800975     | BAN105594       | 32%      | 21.2%          | 100%             |
| SAU800975     | BAN100493       | 44%      | 26.6%          | 99.1%            |
| SAU800975     | BAN103472       | 53%      | 43.2%          | 91.0%            |
| SAU800975     | BAN107108       | 60%      | 99.5%          | 100%             |
| SAU800975     | BFR10905        | 38%      | 81.2%          | 79.4%            |
| SAU800975     | BFR101559       | 50%      | 98.6%          | 99.3%            |
| SAU800975     | BPT101928       | 53%      | 98.2%          | 98.5%            |
| SAU800975     | BCE108256       | 52%      | 99.3%          | 99.5%            |
| SAU800975     | BFU101142       | 53%      | 75.1%          | 98.9%            |
| SAU800975     | BMA104295       | 52%      | 98.3%          | 98.6%            |
| SAU800975     | CJU100472       | 48%      | 98.0%          | 98.4%            |
| SAU800975     | CPN200617       | 46%      | 98.0%          | 97.7%            |
| SAU800975     | CTR200383       | 49%      | 98.4%          | 98.6%            |
| SAU800975     | CAC100315       | 55%      | 99.1%          | 99.5%            |
| SAU800975     | CBO100316       | 56%      | 98.7%          | 99.3%            |
| SAU800975     | CDF100817       | 56%      | 98.7%          | 99.3%            |
| SAU800975     | CDP101419       | 52%      | 98.2%          | 98.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800975     | EBC100668       | 54%      | 64.8%          | 99.3%            |
| SAU800975     | EFA200871       | 61%      | 100%           | 99.9%            |
| SAU800975     | EFM202090       | 61%      | 100%           | 99.8%            |
| SAU800975     | ECO102539       | 52%      | 98.6%          | 99.3%            |
| SAU800975     | HIN100839       | 52%      | 98.2%          | 98.8%            |
| SAU800975     | HPY100260       | 46%      | 97.4%          | 97.8%            |
| SAU800975     | KPN301209       | 52%      | 98.6%          | 99.3%            |
| SAU800975     | LPN102913       | 51%      | 96.7%          | 98.8%            |
| SAU800975     | LMO101394       | 63%      | 99.4%          | 99.8%            |
| SAU800975     | MCA100931       | 51%      | 99.3%          | 96.3%            |
| SAU800975     | MAV101212       | 53%      | 98.2%          | 96.5%            |
| SAU800975     | MBV100178       | 53%      | 94.9%          | 100%             |
| SAU800975     | MLP101480       | 53%      | 98.6%          | 99.2%            |
| SAU800975     | MTU200383       | 52%      | 98.6%          | 99.2%            |
| SAU800975     | MGE100365       | 50%      | 80.9%          | 97.3%            |
| SAU800975     | MPN100311       | 50%      | 80.3%          | 96.5%            |
| SAU800975     | NGO100439       | 50%      | 98.6%          | 99.4%            |
| SAU800975     | NME201542       | 50%      | 98.6%          | 99.4%            |
| SAU800975     | PMU101704       | 52%      | 96.7%          | 97.3%            |
| SAU800975     | PRT105204       | 52%      | 98.8%          | 99.2%            |
| SAU800975     | PAE204540       | 51%      | 98.6%          | 99.4%            |
| SAU800975     | PPU108177       | 51%      | 98.6%          | 99.4%            |
| SAU800975     | PSY100953       | 52%      | 93.9%          | 98.5%            |
| SAU800975     | STY102189       | 52%      | 98.6%          | 99.3%            |
| SAU800975     | STM103776       | 38%      | 81.2%          | 77.9%            |
| SAU800975     | SAU800975       | 100%     | 100%           | 100%             |
| SAU800975     | SEP200200       | 87%      | 99.7%          | 99.7%            |
| SAU800975     | SHA100227       | 90%      | 91.6%          | 97.9%            |
| SAU800975     | SMU100300       | 44%      | 96.5%          | 97.0%            |
| SAU800975     | TPA100070       | 51%      | 98.6%          | 99.0%            |
| SAU800975     | UUR100394       | 52%      | 80.3%          | 97.4%            |
| SAU800975     | VCH100698       | 51%      | 98.7%          | 99.4%            |
| SAU800975     | YPS002837       | 51%      | 98.7%          | 99.2%            |
| SAU800984     | ABA105798       | 37%      | 98.8%          | 99.5%            |
| SAU800984     | ABA100324       | 40%      | 99.0%          | 99.8%            |
| SAU800984     | BAN112689       | 60%      | 98.3%          | 99.8%            |
| SAU800984     | BAN107953       | 64%      | 99.3%          | 99.8%            |
| SAU800984     | BFR12010        | 50%      | 98.6%          | 98.8%            |
| SAU800984     | BPT102618       | 49%      | 98.3%          | 99.3%            |
| SAU800984     | BCE113298       | 51%      | 74.2%          | 99.0%            |
| SAU800984     | BFU100675       | 52%      | 98.3%          | 95.3%            |
| SAU800984     | BMA102164       | 52%      | 98.3%          | 99.0%            |
| SAU800984     | CJU100410       | 47%      | 98.8%          | 99.8%            |
| SAU800984     | CPN200933       | 47%      | 98.6%          | 98.8%            |
| SAU800984     | CTR200146       | 46%      | 98.8%          | 98.6%            |
| SAU800984     | CAC100013       | 54%      | 99.0%          | 99.8%            |
| SAU800984     | CBO102384       | 53%      | 99.3%          | 99.0%            |
| SAU800984     | CDF101773       | 58%      | 98.8%          | 99.5%            |
| SAU800984     | CDP100587       | 25%      | 98.3%          | 27.7%            |
| SAU800984     | EBC100090       | 50%      | 63.5%          | 98.9%            |
| SAU800984     | EFA201888       | 53%      | 98.8%          | 99.3%            |
| SAU800984     | EFM201378       | 54%      | 98.6%          | 99.3%            |
| SAU800984     | ECO101068       | 51%      | 98.3%          | 99.0%            |
| SAU800984     | HIN101502       | 39%      | 98.6%          | 99.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800984     | HPY100551       | 46%      | 98.3%          | 99.5%            |
| SAU800984     | KPN301302       | 51%      | 98.3%          | 99.0%            |
| SAU800984     | LPN100053       | 54%      | 98.6%          | 99.3%            |
| SAU800984     | LMO100394       | 64%      | 98.8%          | 99.0%            |
| SAU800984     | MCA101479       | 46%      | 98.3%          | 100%             |
| SAU800984     | MAV103067       | 39%      | 97.8%          | 100%             |
| SAU800984     | MBV100653       | 38%      | 98.1%          | 96.9%            |
| SAU800984     | MLP101008       | 39%      | 98.1%          | 96.9%            |
| SAU800984     | MTU202211       | 38%      | 98.1%          | 96.9%            |
| SAU800984     | NGO100696       | 52%      | 99.8%          | 92.6%            |
| SAU800984     | NME200042       | 53%      | 99.8%          | 99.8%            |
| SAU800984     | PMU100339       | 39%      | 99.0%          | 99.8%            |
| SAU800984     | PRT104423       | 49%      | 98.3%          | 99.0%            |
| SAU800984     | PAE202963       | 52%      | 98.6%          | 98.8%            |
| SAU800984     | PPU104840       | 53%      | 98.6%          | 98.8%            |
| SAU800984     | PSY101697       | 51%      | 98.6%          | 98.8%            |
| SAU800984     | SPA100629       | 50%      | 98.3%          | 99.0%            |
| SAU800984     | STY102533       | 51%      | 98.3%          | 99.0%            |
| SAU800984     | STM102723       | 51%      | 98.3%          | 99.0%            |
| SAU800984     | SAU800984       | 100%     | 100%           | 100%             |
| SAU800984     | SEP200206       | 88%      | 99.8%          | 99.8%            |
| SAU800984     | SHA101847       | 89%      | 99.8%          | 99.8%            |
| SAU800984     | SMU100539       | 44%      | 98.8%          | 99.0%            |
| SAU800984     | SPN400382       | 46%      | 98.6%          | 97.8%            |
| SAU800984     | SPY201347       | 47%      | 98.8%          | 99.0%            |
| SAU800984     | VCH101989       | 52%      | 98.3%          | 99.0%            |
| SAU800984     | YPS003134       | 49%      | 98.3%          | 99.0%            |
| SAU800996     | ABA105617       | 30%      | 97.9%          | 96.4%            |
| SAU800996     | BAN100511       | 58%      | 100%           | 100%             |
| SAU800996     | BAN103479       | 64%      | 100%           | 99.7%            |
| SAU800996     | BFR11695        | 32%      | 97.3%          | 92.8%            |
| SAU800996     | BPT101857       | 31%      | 98.2%          | 72.9%            |
| SAU800996     | BBU100005       | 33%      | 99.1%          | 93.8%            |
| SAU800996     | BCE111566       | 43%      | 50.2%          | 42%              |
| SAU800996     | BFU104126       | 39%      | 98.5%          | 98.5%            |
| SAU800996     | BMA102942       | 43%      | 98.5%          | 98.5%            |
| SAU800996     | CJU100356       | 36%      | 97.9%          | 99.4%            |
| SAU800996     | CPN201050       | 29%      | 98.8%          | 96.5%            |
| SAU800996     | CTR200863       | 29%      | 98.8%          | 96.0%            |
| SAU800996     | CAC102256       | 53%      | 98.2%          | 94.5%            |
| SAU800996     | CBO103516       | 53%      | 98.2%          | 97.3%            |
| SAU800996     | CDF103033       | 51%      | 99.7%          | 98.5%            |
| SAU800996     | CDP100799       | 47%      | 98.2%          | 93.9%            |
| SAU800996     | EBC103867       | 51%      | 97.6%          | 97.0%            |
| SAU800996     | EFA200882       | 60%      | 99.7%          | 92.5%            |
| SAU800996     | EFM201661       | 33%      | 97.9%          | 97.6%            |
| SAU800996     | ECO103307       | 51%      | 98.8%          | 98.2%            |
| SAU800996     | HIN100618       | 50%      | 97.6%          | 97.0%            |
| SAU800996     | HPY101236       | 46%      | 97.9%          | 94.4%            |
| SAU800996     | KPN301318       | 51%      | 98.8%          | 98.2%            |
| SAU800996     | LPN101785       | 40%      | 48.9%          | 40.6%            |
| SAU800996     | LMO101120       | 62%      | 99.7%          | 98.8%            |
| SAU800996     | MCA100953       | 30%      | 97.9%          | 95.8%            |
| SAU800996     | MAV101730       | 43%      | 99.1%          | 97.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800996     | MBV102918       | 45%      | 97.6%          | 96.4%            |
| SAU800996     | MLP100424       | 42%      | 97.6%          | 95.6%            |
| SAU800996     | MTU203293       | 45%      | 97.6%          | 96.4%            |
| SAU800996     | MGE100128       | 36%      | 97.3%          | 96.3%            |
| SAU800996     | MPN100568       | 36%      | 99.1%          | 98.3%            |
| SAU800996     | NGO100436       | 30%      | 97.9%          | 97.3%            |
| SAU800996     | NME201541       | 30%      | 97.9%          | 97.3%            |
| SAU800996     | PMU101621       | 50%      | 97.6%          | 97.3%            |
| SAU800996     | PRT100815       | 53%      | 97.6%          | 94.7%            |
| SAU800996     | PAE204437       | 30%      | 97.9%          | 73.4%            |
| SAU800996     | PPU111782       | 33%      | 97.9%          | 73.3%            |
| SAU800996     | PSY103844       | 33%      | 97.9%          | 73.3%            |
| SAU800996     | SPA103184       | 46%      | 62.6%          | 98.1%            |
| SAU800996     | STY101408       | 51%      | 98.8%          | 98.2%            |
| SAU800996     | SAU800996       | 100%     | 100%           | 100%             |
| SAU800996     | SEP200218       | 88%      | 100%           | 100%             |
| SAU800996     | SHA100262       | 87%      | 100%           | 100%             |
| SAU800996     | SMU101412       | 34%      | 97.9%          | 97.6%            |
| SAU800996     | SPN402031       | 35%      | 97.9%          | 97.4%            |
| SAU800996     | SPY201690       | 34%      | 97.9%          | 97.6%            |
| SAU800996     | TPA100625       | 29%      | 99.7%          | 98.2%            |
| SAU800996     | UUR100175       | 46%      | 98.8%          | 99.7%            |
| SAU800996     | VCH102586       | 48%      | 97.6%          | 89.9%            |
| SAU800996     | YPS001667       | 51%      | 97.6%          | 93.6%            |
| SAU801001     | BAN107249       | 31%      | 78.8%          | 54.9%            |
| SAU801001     | BAN110882       | 32%      | 76.6%          | 47.5%            |
| SAU801001     | CAC101275       | 39%      | 20.7%          | 37.6%            |
| SAU801001     | EFM100918       | 36%      | 33.2%          | 25.3%            |
| SAU801001     | LMO101980       | 28%      | 82.1%          | 55.9%            |
| SAU801001     | PPU103349       | 28%      | 40.2%          | 25.4%            |
| SAU801001     | SAU801001       | 100%     | 100%           | 100%             |
| SAU801001     | SEP200228       | 78%      | 96.2%          | 68.3%            |
| SAU801001     | SHA100236       | 78%      | 96.7%          | 68.7%            |
| SAU801002     | EFA200888       | 25%      | 70.4%          | 40.6%            |
| SAU801002     | SAU801002       | 100%     | 100%           | 100%             |
| SAU801003     | ABA103708       | 32%      | 35.5%          | 10.3%            |
| SAU801003     | BAN109236       | 44%      | 44.6%          | 88.5%            |
| SAU801003     | BAN104719       | 43%      | 91.7%          | 89.5%            |
| SAU801003     | BAN108205       | 52%      | 97.5%          | 90.2%            |
| SAU801003     | BAN109057       | 52%      | 97.5%          | 90.2%            |
| SAU801003     | BPT101594       | 35%      | 96.7%          | 85.8%            |
| SAU801003     | BCE115088       | 33%      | 96.7%          | 89.0%            |
| SAU801003     | BFU111683       | 31%      | 97.5%          | 87.8%            |
| SAU801003     | BMA100121       | 32%      | 96.7%          | 71.2%            |
| SAU801003     | CJU100430       | 22%      | 95.0%          | 92.1%            |
| SAU801003     | CDP101259       | 29%      | 95.0%          | 92.3%            |
| SAU801003     | LPN103152       | 37%      | 57.0%          | 62.9%            |
| SAU801003     | MAV105125       | 38%      | 95.9%          | 85.8%            |
| SAU801003     | MBV101537       | 38%      | 95.9%          | 90.3%            |
| SAU801003     | MLP100775       | 39%      | 95.9%          | 94.5%            |
| SAU801003     | MTU202434       | 38%      | 95.9%          | 94.5%            |
| SAU801003     | SAU801003       | 100%     | 100%           | 100%             |
| SAU801003     | SEP200229       | 77%      | 100%           | 95.3%            |
| SAU801003     | SHA100235       | 81%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801007     | ABA101740       | 34%      | 55.4%          | 48.7%            |
| SAU801007     | BAN113253       | 59%      | 82.9%          | 99.6%            |
| SAU801007     | BAN112667       | 66%      | 98.1%          | 99.2%            |
| SAU801007     | BFR100600       | 33%      | 63.6%          | 58.6%            |
| SAU801007     | BPT103790       | 28%      | 61.7%          | 53.2%            |
| SAU801007     | BBU100310       | 28%      | 59.5%          | 55.6%            |
| SAU801007     | BCE114005       | 27%      | 86.2%          | 70.6%            |
| SAU801007     | BFU102654       | 29%      | 76.6%          | 62.3%            |
| SAU801007     | BMA109400       | 26%      | 85.9%          | 66.4%            |
| SAU801007     | CJU100602       | 33%      | 62.5%          | 56.3%            |
| SAU801007     | CAC101559       | 25%      | 86.6%          | 79.9%            |
| SAU801007     | CBO102717       | 26%      | 84.0%          | 77.9%            |
| SAU801007     | CDF103162       | 28%      | 95.9%          | 95.9%            |
| SAU801007     | CDP101033       | 25%      | 84.0%          | 70.0%            |
| SAU801007     | EBC102479       | 27%      | 59.1%          | 58.6%            |
| SAU801007     | EFA200895       | 45%      | 98.9%          | 100%             |
| SAU801007     | ECO102562       | 27%      | 59.1%          | 53.8%            |
| SAU801007     | HIN100070       | 29%      | 71.4%          | 71.3%            |
| SAU801007     | HPY101374       | 28%      | 66.2%          | 57.4%            |
| SAU801007     | KPN301269       | 25%      | 60.2%          | 54.8%            |
| SAU801007     | LPN101990       | 33%      | 56.1%          | 50.5%            |
| SAU801007     | LMO100773       | 57%      | 97.8%          | 99.2%            |
| SAU801007     | MCA101910       | 30%      | 64.3%          | 55.9%            |
| SAU801007     | MAV102046       | 27%      | 84.0%          | 68.8%            |
| SAU801007     | MBV105349       | 26%      | 84.0%          | 72.0%            |
| SAU801007     | MLP100841       | 31%      | 64.7%          | 53.7%            |
| SAU801007     | MTU201674       | 26%      | 84.0%          | 72.0%            |
| SAU801007     | MGE100130       | 28%      | 75.5%          | 73.4%            |
| SAU801007     | MPN100566       | 28%      | 75.8%          | 73.7%            |
| SAU801007     | NGO100871       | 27%      | 81.8%          | 72.3%            |
| SAU801007     | NME200939       | 26%      | 81.8%          | 72.3%            |
| SAU801007     | PMU100333       | 24%      | 84.0%          | 73.1%            |
| SAU801007     | PRT101147       | 30%      | 51.7%          | 62.0%            |
| SAU801007     | PAE203086       | 31%      | 54.3%          | 48.8%            |
| SAU801007     | PPU105852       | 31%      | 54.3%          | 48.6%            |
| SAU801007     | PSY100717       | 31%      | 54.3%          | 48.6%            |
| SAU801007     | SPA101531       | 26%      | 57.2%          | 52.6%            |
| SAU801007     | STY102233       | 26%      | 57.2%          | 52.1%            |
| SAU801007     | STM102487       | 26%      | 57.2%          | 52.1%            |
| SAU801007     | SAU801007       | 100%     | 100%           | 100%             |
| SAU801007     | SEP200233       | 94%      | 100%           | 100%             |
| SAU801007     | SHA100764       | 91%      | 100%           | 100%             |
| SAU801007     | SMU100219       | 44%      | 97.8%          | 94.9%            |
| SAU801007     | SPN401005       | 41%      | 99.3%          | 96.4%            |
| SAU801007     | SPY200856       | 45%      | 97.4%          | 94.2%            |
| SAU801007     | TPA100437       | 27%      | 61.0%          | 51.5%            |
| SAU801007     | UUR100177       | 30%      | 71.7%          | 67.0%            |
| SAU801007     | VCH100837       | 30%      | 57.2%          | 51.7%            |
| SAU801007     | YPS002057       | 29%      | 54.6%          | 49.5%            |
| SAU801008     | BAN108299       | 36%      | 81.0%          | 82.3%            |
| SAU801008     | BAN112738       | 39%      | 88.4%          | 86.5%            |
| SAU801008     | EFA200896       | 32%      | 95.1%          | 94.9%            |
| SAU801008     | SAU801008       | 100%     | 100%           | 100%             |
| SAU801008     | SEP200234       | 59%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801008     | SHA100765       | 57%      | 100%           | 100%             |
| SAU801008     | SMU100212       | 38%      | 94.0%          | 92.9%            |
| SAU801008     | SPN401006       | 39%      | 95.1%          | 93.3%            |
| SAU801008     | SPY200857       | 36%      | 97.9%          | 96.7%            |
| SAU801011     | ABA105845       | 47%      | 98.4%          | 87.5%            |
| SAU801011     | BAN111495       | 45%      | 98.8%          | 97.8%            |
| SAU801011     | BAN110931       | 63%      | 98.4%          | 98.4%            |
| SAU801011     | BFR102480       | 28%      | 98.4%          | 86.1%            |
| SAU801011     | BPT101515       | 45%      | 98.4%          | 96.6%            |
| SAU801011     | BFU100534       | 44%      | 98.4%          | 95.4%            |
| SAU801011     | BMA108591       | 43%      | 98.4%          | 95.4%            |
| SAU801011     | CJU101319       | 47%      | 97.7%          | 90.5%            |
| SAU801011     | CPN200344       | 33%      | 97.7%          | 94.0%            |
| SAU801011     | CTR200374       | 33%      | 97.7%          | 94.3%            |
| SAU801011     | EBC101481       | 43%      | 97.7%          | 95.0%            |
| SAU801011     | EFA201890       | 51%      | 97.7%          | 98.4%            |
| SAU801011     | ECO101259       | 44%      | 97.3%          | 94.7%            |
| SAU801011     | HIN101698       | 42%      | 97.3%          | 84.1%            |
| SAU801011     | HPY100192       | 45%      | 98.4%          | 90.9%            |
| SAU801011     | KPN301049       | 41%      | 97.7%          | 95.0%            |
| SAU801011     | LPN103417       | 46%      | 98.4%          | 94.0%            |
| SAU801011     | LMO102350       | 53%      | 99.2%          | 98.5%            |
| SAU801011     | MCA100281       | 44%      | 98.4%          | 93.8%            |
| SAU801011     | MAV103640       | 32%      | 96.9%          | 96.3%            |
| SAU801011     | MBV101416       | 31%      | 97.7%          | 97.0%            |
| SAU801011     | MLP101099       | 33%      | 96.9%          | 96.3%            |
| SAU801011     | MTU201463       | 31%      | 97.7%          | 97.0%            |
| SAU801011     | NGO101585       | 45%      | 97.3%          | 95.4%            |
| SAU801011     | NME201989       | 45%      | 97.3%          | 95.4%            |
| SAU801011     | PMU100182       | 44%      | 98.4%          | 96.5%            |
| SAU801011     | PRT101421       | 45%      | 97.3%          | 94.7%            |
| SAU801011     | PAE201805       | 43%      | 97.7%          | 95.1%            |
| SAU801011     | PSY103929       | 44%      | 97.7%          | 95.5%            |
| SAU801011     | SPA104351       | 34%      | 97.3%          | 94.7%            |
| SAU801011     | STY103075       | 43%      | 97.3%          | 94.7%            |
| SAU801011     | STM101286       | 43%      | 97.3%          | 94.7%            |
| SAU801011     | SAU801011       | 100%     | 100%           | 100%             |
| SAU801011     | SEP200257       | 93%      | 100%           | 100%             |
| SAU801011     | SHA100265       | 95%      | 47.3%          | 100%             |
| SAU801013     | BAN109098       | 39%      | 96.4%          | 95.0%            |
| SAU801013     | BAN104092       | 44%      | 96.2%          | 93.2%            |
| SAU801013     | BAN113298       | 47%      | 99.0%          | 92.3%            |
| SAU801013     | BAN101687       | 54%      | 98.2%          | 94.4%            |
| SAU801013     | CDF100154       | 51%      | 60.1%          | 88.7%            |
| SAU801013     | CDF102305       | 42%      | 97.6%          | 93.8%            |
| SAU801013     | CDP100704       | 47%      | 97.6%          | 95.2%            |
| SAU801013     | EBC101736       | 53%      | 96.4%          | 89.6%            |
| SAU801013     | MCA103444       | 48%      | 96.8%          | 94.0%            |
| SAU801013     | SAU801013       | 100%     | 100%           | 100%             |
| SAU801013     | VCH100771       | 48%      | 98.4%          | 92.1%            |
| SAU801018     | ABA100927       | 31%      | 93.9%          | 93.4%            |
| SAU801018     | BAN102528       | 33%      | 80.4%          | 94.4%            |
| SAU801018     | BAN109007       | 36%      | 92.1%          | 95.2%            |
| SAU801018     | BAN108968       | 33%      | 91.9%          | 94.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801018     | BAN109347       | 42%      | 92.1%          | 92.5%            |
| SAU801018     | BFR11372        | 30%      | 94.5%          | 96.1%            |
| SAU801018     | BBU100200       | 29%      | 90.9%          | 90.6%            |
| SAU801018     | BCE108649       | 32%      | 72.7%          | 91.6%            |
| SAU801018     | BFU100823       | 33%      | 88.9%          | 88.4%            |
| SAU801018     | BMA100072       | 33%      | 88.9%          | 88.3%            |
| SAU801018     | CJU101547       | 31%      | 87.7%          | 92.0%            |
| SAU801018     | CPN200331       | 32%      | 93.9%          | 95.4%            |
| SAU801018     | CTR200533       | 31%      | 91.3%          | 92.4%            |
| SAU801018     | CAC101131       | 32%      | 96.4%          | 98.1%            |
| SAU801018     | CAC103376       | 33%      | 94.1%          | 95.6%            |
| SAU801018     | CBO100064       | 35%      | 94.5%          | 96.1%            |
| SAU801018     | CDF102952       | 30%      | 96.4%          | 97.7%            |
| SAU801018     | CDP101281       | 34%      | 78.7%          | 80.9%            |
| SAU801018     | EBC102573       | 29%      | 92.3%          | 93.9%            |
| SAU801018     | EFA201208       | 27%      | 94.5%          | 92.5%            |
| SAU801018     | EFM201835       | 28%      | 91.3%          | 90.2%            |
| SAU801018     | ECO100085       | 30%      | 91.3%          | 92.9%            |
| SAU801018     | HIN101107       | 31%      | 93.1%          | 95.9%            |
| SAU801018     | HPY101473       | 32%      | 74.9%          | 81.7%            |
| SAU801018     | KPN301847       | 29%      | 92.3%          | 93.9%            |
| SAU801018     | LPN100418       | 32%      | 28.5%          | 87.0%            |
| SAU801018     | LMO101113       | 34%      | 94.5%          | 95.3%            |
| SAU801018     | MCA100819       | 32%      | 72.9%          | 69.7%            |
| SAU801018     | MAV104018       | 29%      | 94.5%          | 90.8%            |
| SAU801018     | MBV100072       | 27%      | 79.8%          | 91.1%            |
| SAU801018     | MLP100564       | 30%      | 89.3%          | 84.7%            |
| SAU801018     | MTU202124       | 29%      | 93.9%          | 87.7%            |
| SAU801018     | NGO100606       | 33%      | 90.5%          | 91.5%            |
| SAU801018     | NME201913       | 33%      | 90.5%          | 91.5%            |
| SAU801018     | PMU100137       | 32%      | 92.1%          | 94.7%            |
| SAU801018     | PRT102626       | 32%      | 89.7%          | 91.5%            |
| SAU801018     | PAE204415       | 33%      | 91.7%          | 93.2%            |
| SAU801018     | PPU105954       | 33%      | 91.1%          | 92.7%            |
| SAU801018     | PSY107311       | 33%      | 90.1%          | 91.8%            |
| SAU801018     | SPA102754       | 28%      | 91.3%          | 93.3%            |
| SAU801018     | STY103171       | 30%      | 91.3%          | 93.1%            |
| SAU801018     | STM102863       | 29%      | 91.3%          | 93.1%            |
| SAU801018     | SAU801018       | 100%     | 100%           | 100%             |
| SAU801018     | SEP200270       | 87%      | 99.8%          | 99.8%            |
| SAU801018     | SHA101090       | 85%      | 99.4%          | 99.4%            |
| SAU801018     | SMU100386       | 28%      | 89.5%          | 88.6%            |
| SAU801018     | SPN401383       | 29%      | 89.9%          | 89.4%            |
| SAU801018     | SPY200283       | 28%      | 91.5%          | 90.9%            |
| SAU801018     | TPA100923       | 28%      | 91.9%          | 92.0%            |
| SAU801018     | VCH102371       | 31%      | 89.7%          | 87.5%            |
| SAU801018     | YPS000993       | 30%      | 92.3%          | 94.9%            |
| SAU801019     | SAU801019       | 100%     | 100%           | 100%             |
| SAU801019     | SEP202484       | 36%      | 85.5%          | 86.4%            |
| SAU801019     | SHA101091       | 48%      | 75.9%          | 76.2%            |
| SAU801020     | SAU801020       | 100%     | 100%           | 100%             |
| SAU801021     | ABA103073       | 39%      | 99.5%          | 76.8%            |
| SAU801021     | BFR10621        | 39%      | 99.3%          | 81.9%            |
| SAU801021     | BPT101443       | 43%      | 99.8%          | 75.1%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801021     | BFU103306       | 44%      | 88.4%          | 67.4%            |
| SAU801021     | CAC101793       | 44%      | 96.5%          | 75.1%            |
| SAU801021     | CBO102015       | 46%      | 96.5%          | 75.0%            |
| SAU801021     | CDP100203       | 34%      | 100%           | 77.0%            |
| SAU801021     | EBC103571       | 40%      | 98.8%          | 76.7%            |
| SAU801021     | EFA201098       | 59%      | 100%           | 77.7%            |
| SAU801021     | EFM201941       | 57%      | 100%           | 80.8%            |
| SAU801021     | ECO104261       | 41%      | 99.3%          | 76.7%            |
| SAU801021     | HIN101699       | 41%      | 99.3%          | 77.0%            |
| SAU801021     | KPN302173       | 43%      | 88.4%          | 66.4%            |
| SAU801021     | LPN103093       | 43%      | 98.8%          | 82.8%            |
| SAU801021     | LMO102853       | 62%      | 100%           | 77.6%            |
| SAU801021     | MCA101980       | 42%      | 88.9%          | 68.6%            |
| SAU801021     | NGO100799       | 41%      | 98.5%          | 75.7%            |
| SAU801021     | NME200772       | 42%      | 98.5%          | 75.7%            |
| SAU801021     | PMU100816       | 40%      | 99.3%          | 76.7%            |
| SAU801021     | PRT100771       | 41%      | 99.3%          | 76.7%            |
| SAU801021     | PAE203900       | 45%      | 88.6%          | 68.3%            |
| SAU801021     | PPU101429       | 41%      | 98.8%          | 66.8%            |
| SAU801021     | PSY106730       | 40%      | 98.8%          | 76.5%            |
| SAU801021     | SPA102185       | 39%      | 98.8%          | 77.5%            |
| SAU801021     | STY104563       | 40%      | 98.8%          | 76.4%            |
| SAU801021     | STM100343       | 40%      | 98.8%          | 76.4%            |
| SAU801021     | SAU801021       | 100%     | 100%           | 100%             |
| SAU801021     | SEP200272       | 92%      | 100%           | 77.9%            |
| SAU801021     | SHA102902       | 93%      | 100%           | 87.9%            |
| SAU801021     | SMU100745       | 56%      | 99.0%          | 77.5%            |
| SAU801021     | SPN400396       | 57%      | 99.0%          | 76.8%            |
| SAU801021     | SPY201085       | 59%      | 99.0%          | 76.8%            |
| SAU801021     | VCH100647       | 42%      | 98.8%          | 76.1%            |
| SAU801021     | YPS000093       | 46%      | 88.4%          | 68.1%            |
| SAU801025     | CDF100072       | 21%      | 21.0%          | 92.2%            |
| SAU801025     | CDF102294       | 22%      | 49.6%          | 42.0%            |
| SAU801025     | CDF101487       | 22%      | 56.5%          | 64.9%            |
| SAU801025     | CDF103240       | 22%      | 54.8%          | 48.4%            |
| SAU801025     | SAU801025       | 100%     | 100%           | 100%             |
| SAU801025     | SEP200278       | 69%      | 99.2%          | 96.9%            |
| SAU801025     | SHA101420       | 64%      | 99.2%          | 99.0%            |
| SAU801038     | BAN107236       | 35%      | 75.5%          | 92.4%            |
| SAU801038     | BAN102502       | 36%      | 90.6%          | 92.0%            |
| SAU801038     | BCE100353       | 24%      | 79.0%          | 75.1%            |
| SAU801038     | BFU107408       | 25%      | 79.6%          | 70.2%            |
| SAU801038     | BMA101385       | 24%      | 77.4%          | 63.3%            |
| SAU801038     | EBC103345       | 37%      | 87.8%          | 89.3%            |
| SAU801038     | ECO104179       | 36%      | 87.8%          | 88.7%            |
| SAU801038     | KPN304212       | 25%      | 44.5%          | 48.0%            |
| SAU801038     | PMU100131       | 37%      | 89.0%          | 91.6%            |
| SAU801038     | PSY102144       | 35%      | 85.0%          | 87.5%            |
| SAU801038     | STY103490       | 25%      | 40.8%          | 43.9%            |
| SAU801038     | STM103176       | 25%      | 40.8%          | 43.9%            |
| SAU801038     | SAU802177       | 48%      | 96.9%          | 96.6%            |
| SAU801038     | SAU801038       | 100%     | 100%           | 100%             |
| SAU801038     | SEP202004       | 45%      | 96.9%          | 95.5%            |
| SAU801038     | SHA100119       | 56%      | 49.5%          | 93.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801038     | SPN200521       | 31%      | 54.5%          | 91.7%            |
| SAU801038     | VCH100200       | 29%      | 47.3%          | 47.6%            |
| SAU801060     | ABA101560       | 50%      | 96.7%          | 99.7%            |
| SAU801060     | BAN108287       | 46%      | 94.9%          | 97.8%            |
| SAU801060     | BAN107549       | 60%      | 96.5%          | 99.1%            |
| SAU801060     | BFR102649       | 21%      | 21.9%          | 79.6%            |
| SAU801060     | BPT102772       | 50%      | 92.9%          | 96.1%            |
| SAU801060     | BCE104897       | 49%      | 98.5%          | 97.2%            |
| SAU801060     | BFU101932       | 49%      | 95.3%          | 94.9%            |
| SAU801060     | BMA105777       | 48%      | 98.8%          | 100%             |
| SAU801060     | BMA107179       | 48%      | 98.8%          | 97.5%            |
| SAU801060     | CDP102039       | 43%      | 77.6%          | 89.7%            |
| SAU801060     | EBC103074       | 47%      | 65.0%          | 96.4%            |
| SAU801060     | ECO100423       | 50%      | 93.2%          | 93.4%            |
| SAU801060     | HPY100141       | 22%      | 36.0%          | 51.6%            |
| SAU801060     | KPN303419       | 50%      | 93.2%          | 93.4%            |
| SAU801060     | LPN100442       | 46%      | 32.0%          | 94.6%            |
| SAU801060     | LMO102701       | 66%      | 96.7%          | 96.8%            |
| SAU801060     | MCA101093       | 19%      | 62.8%          | 91.3%            |
| SAU801060     | MAV101361       | 45%      | 75.2%          | 91.2%            |
| SAU801060     | MBV105923       | 45%      | 76.3%          | 87.6%            |
| SAU801060     | MLP101062       | 45%      | 76.3%          | 87.5%            |
| SAU801060     | MTU203003       | 45%      | 76.3%          | 87.6%            |
| SAU801060     | NGO100639       | 17%      | 45.3%          | 60.6%            |
| SAU801060     | NME201828       | 17%      | 45.3%          | 60.1%            |
| SAU801060     | PRT104154       | 47%      | 96.5%          | 97.7%            |
| SAU801060     | PAE201317       | 48%      | 95.3%          | 95.9%            |
| SAU801060     | PPU109665       | 48%      | 96.5%          | 95.1%            |
| SAU801060     | PSY104253       | 49%      | 95.2%          | 94.0%            |
| SAU801060     | SPA102307       | 48%      | 95.5%          | 96.8%            |
| SAU801060     | STY100720       | 50%      | 95.2%          | 95.0%            |
| SAU801060     | SAU801060       | 100%     | 100%           | 100%             |
| SAU801060     | SEP200351       | 93%      | 100%           | 100%             |
| SAU801060     | SHA100553       | 90%      | 97.3%          | 99.4%            |
| SAU801060     | VCH101421       | 17%      | 48.8%          | 67.1%            |
| SAU801060     | YPS001899       | 50%      | 95.2%          | 95.0%            |
| SAU801061     | ABA103655       | 36%      | 63.4%          | 71.1%            |
| SAU801061     | BAN111570       | 37%      | 59.3%          | 85.5%            |
| SAU801061     | BAN110867       | 40%      | 73.5%          | 94.2%            |
| SAU801061     | BPT102774       | 35%      | 59.8%          | 73.7%            |
| SAU801061     | BCE104834       | 33%      | 63.9%          | 89.7%            |
| SAU801061     | BFU101934       | 37%      | 64.8%          | 85.7%            |
| SAU801061     | BMA109512       | 35%      | 64.5%          | 83.6%            |
| SAU801061     | BMA107732       | 35%      | 66.1%          | 83.4%            |
| SAU801061     | CDP100360       | 21%      | 53.8%          | 72.9%            |
| SAU801061     | EBC101217       | 36%      | 68.0%          | 81.0%            |
| SAU801061     | ECO100424       | 35%      | 68.0%          | 81.0%            |
| SAU801061     | KPN303418       | 38%      | 25.7%          | 64.7%            |
| SAU801061     | LMO100640       | 49%      | 99.2%          | 99.7%            |
| SAU801061     | MAV102952       | 22%      | 24.3%          | 28.3%            |
| SAU801061     | MBV100595       | 20%      | 61.2%          | 89.6%            |
| SAU801061     | MLP100533       | 22%      | 61.7%          | 84.1%            |
| SAU801061     | MTU202166       | 20%      | 62.0%          | 82.1%            |
| SAU801061     | PRT103954       | 37%      | 68.3%          | 82.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801061     | PAE201316       | 36%      | 63.7%          | 71.6%            |
| SAU801061     | PPU101498       | 38%      | 66.4%          | 78.9%            |
| SAU801061     | PSY104255       | 35%      | 67.8%          | 80.5%            |
| SAU801061     | SPA102308       | 34%      | 47.8%          | 55.8%            |
| SAU801061     | STY100721       | 36%      | 68.3%          | 80.2%            |
| SAU801061     | SAU801061       | 100%     | 100%           | 100%             |
| SAU801061     | SEP200354       | 81%      | 100%           | 100%             |
| SAU801061     | SHA100551       | 77%      | 80.1%          | 100%             |
| SAU801061     | YPS001897       | 38%      | 69.4%          | 82.1%            |
| SAU801081     | BAN101424       | 35%      | 96.7%          | 98.0%            |
| SAU801081     | BAN110238       | 46%      | 96.7%          | 95.2%            |
| SAU801081     | BFR11654        | 28%      | 98.2%          | 98.5%            |
| SAU801081     | BBU100789       | 26%      | 42.1%          | 32.5%            |
| SAU801081     | BCE105292       | 26%      | 99.5%          | 94.6%            |
| SAU801081     | BFU105347       | 25%      | 99.5%          | 98.0%            |
| SAU801081     | BMA105381       | 28%      | 58.5%          | 95.8%            |
| SAU801081     | CPN200218       | 30%      | 34.6%          | 49.5%            |
| SAU801081     | CTR200674       | 30%      | 33.6%          | 48%              |
| SAU801081     | CDF102444       | 29%      | 29.0%          | 39.3%            |
| SAU801081     | EBC100814       | 28%      | 96.7%          | 97.2%            |
| SAU801081     | EFA200628       | 42%      | 98.2%          | 97.7%            |
| SAU801081     | EFM201297       | 41%      | 98.7%          | 98.5%            |
| SAU801081     | ECO100942       | 29%      | 89.2%          | 96.2%            |
| SAU801081     | KPN301376       | 27%      | 96.7%          | 95.8%            |
| SAU801081     | LPN102414       | 26%      | 31.3%          | 83.6%            |
| SAU801081     | LPN102136       | 24%      | 74.4%          | 82.4%            |
| SAU801081     | LMO102509       | 43%      | 96.2%          | 95.4%            |
| SAU801081     | NGO101096       | 39%      | 51.8%          | 65.1%            |
| SAU801081     | NME201438       | 35%      | 62.8%          | 80.6%            |
| SAU801081     | PAE200353       | 24%      | 83.1%          | 81.4%            |
| SAU801081     | PPU102183       | 26%      | 82.6%          | 80.9%            |
| SAU801081     | PSY102744       | 27%      | 82.6%          | 80.9%            |
| SAU801081     | SPA103978       | 27%      | 96.7%          | 97.5%            |
| SAU801081     | STY103612       | 27%      | 96.7%          | 95.0%            |
| SAU801081     | SAU801081       | 100%     | 100%           | 100%             |
| SAU801081     | SEP200778       | 77%      | 100%           | 100%             |
| SAU801081     | SHA101353       | 77%      | 100%           | 100%             |
| SAU801081     | SMU100080       | 41%      | 96.9%          | 87.6%            |
| SAU801081     | SPN401235       | 43%      | 98.2%          | 97.4%            |
| SAU801081     | SPY200600       | 43%      | 97.2%          | 97.2%            |
| SAU801081     | VCH101334       | 28%      | 96.7%          | 91.9%            |
| SAU801081     | YPS002174       | 28%      | 96.7%          | 96.7%            |
| SAU801083     | ABA104415       | 34%      | 79.5%          | 78.7%            |
| SAU801083     | BAN108284       | 60%      | 92.0%          | 93.1%            |
| SAU801083     | BAN113302       | 61%      | 92.0%          | 93.1%            |
| SAU801083     | BPT101967       | 38%      | 95.5%          | 71.2%            |
| SAU801083     | BBU100556       | 29%      | 92.0%          | 94.2%            |
| SAU801083     | BCE109463       | 39%      | 93.2%          | 92.1%            |
| SAU801083     | BFU102715       | 35%      | 93.2%          | 92.1%            |
| SAU801083     | BMA101428       | 36%      | 93.2%          | 92.1%            |
| SAU801083     | CPN200726       | 31%      | 90.9%          | 74.1%            |
| SAU801083     | CTR200606       | 32%      | 87.5%          | 74.0%            |
| SAU801083     | CAC100614       | 51%      | 87.5%          | 89.5%            |
| SAU801083     | CBO101012       | 48%      | 93.2%          | 93.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801083     | CDF100787       | 40%      | 84.1%          | 86.0%            |
| SAU801083     | CDP100378       | 27%      | 95.5%          | 95.5%            |
| SAU801083     | EFA201087       | 64%      | 100%           | 100%             |
| SAU801083     | EFM100206       | 63%      | 100%           | 100%             |
| SAU801083     | KPN300336       | 41%      | 87.5%          | 30.7%            |
| SAU801083     | LPN103186       | 41%      | 85.2%          | 84.3%            |
| SAU801083     | LMO101585       | 71%      | 100%           | 100%             |
| SAU801083     | MGE100041       | 47%      | 94.3%          | 95.5%            |
| SAU801083     | MPN100101       | 44%      | 94.3%          | 95.5%            |
| SAU801083     | NGO102690       | 41%      | 93.2%          | 92.1%            |
| SAU801083     | NME200365       | 40%      | 93.2%          | 92.1%            |
| SAU801083     | PMU100898       | 38%      | 77.3%          | 80%              |
| SAU801083     | PRT102262       | 34%      | 94.3%          | 97.6%            |
| SAU801083     | PPU103902       | 32%      | 93.2%          | 92.2%            |
| SAU801083     | PSY104754       | 31%      | 95.5%          | 94.4%            |
| SAU801083     | SPA100416       | 41%      | 87.5%          | 27.6%            |
| SAU801083     | STM101235       | 32%      | 94.3%          | 97.6%            |
| SAU801083     | SAU801083       | 100%     | 100%           | 100%             |
| SAU801083     | SEP200782       | 92%      | 100%           | 100%             |
| SAU801083     | SHA101355       | 96%      | 100%           | 100%             |
| SAU801083     | SMU103189       | 66%      | 97.7%          | 98.9%            |
| SAU801083     | SPN401063       | 67%      | 97.7%          | 98.9%            |
| SAU801083     | SPY201055       | 66%      | 97.7%          | 98.9%            |
| SAU801083     | TPA100582       | 45%      | 79.5%          | 79.5%            |
| SAU801083     | UUR100594       | 30%      | 97.7%          | 98.9%            |
| SAU801084     | ABA102248       | 39%      | 97.9%          | 57.4%            |
| SAU801084     | BAN113590       | 50%      | 99.5%          | 100%             |
| SAU801084     | BAN102128       | 65%      | 99.5%          | 99.8%            |
| SAU801084     | BFR102843       | 28%      | 66.3%          | 49.5%            |
| SAU801084     | BPT101969       | 40%      | 89.3%          | 84.4%            |
| SAU801084     | BBU100557       | 38%      | 99.1%          | 99.3%            |
| SAU801084     | BCE105897       | 38%      | 94.2%          | 91.0%            |
| SAU801084     | BFU102716       | 37%      | 94.2%          | 91.2%            |
| SAU801084     | BMA107198       | 38%      | 94.2%          | 91.9%            |
| SAU801084     | CPN200725       | 29%      | 98.6%          | 96.5%            |
| SAU801084     | CTR200605       | 27%      | 98.8%          | 96.5%            |
| SAU801084     | CAC102388       | 55%      | 93.4%          | 98.9%            |
| SAU801084     | CBO103848       | 54%      | 93.4%          | 98.9%            |
| SAU801084     | CDF100789       | 56%      | 97.6%          | 97.7%            |
| SAU801084     | CDP100363       | 31%      | 96.7%          | 95.6%            |
| SAU801084     | EBC101637       | 50%      | 99.5%          | 100%             |
| SAU801084     | EFA201084       | 63%      | 100%           | 100%             |
| SAU801084     | EFM201634       | 70%      | 44.2%          | 99.2%            |
| SAU801084     | ECO102367       | 50%      | 99.5%          | 99.1%            |
| SAU801084     | HIN101677       | 50%      | 99.3%          | 99.0%            |
| SAU801084     | HPY100119       | 27%      | 69.6%          | 51.1%            |
| SAU801084     | KPN300705       | 50%      | 99.5%          | 99.1%            |
| SAU801084     | LPN100853       | 34%      | 93.0%          | 69.5%            |
| SAU801084     | LMO101249       | 69%      | 99.7%          | 99.5%            |
| SAU801084     | MCA100687       | 29%      | 70.1%          | 52.5%            |
| SAU801084     | MAV102627       | 27%      | 12.8%          | 14.1%            |
| SAU801084     | MAV101273       | 33%      | 12.9%          | 13.8%            |
| SAU801084     | MAV100488       | 35%      | 12.9%          | 13.4%            |
| SAU801084     | MBV104403       | 35%      | 12.9%          | 14.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801084     | MLP100590       | 37%      | 12.9%          | 12.0%            |
| SAU801084     | MTU201112       | 35%      | 12.9%          | 14.7%            |
| SAU801084     | MGE100439       | 45%      | 99.7%          | 98.8%            |
| SAU801084     | MPN100215       | 45%      | 99.7%          | 98.8%            |
| SAU801084     | NGO101819       | 35%      | 99.1%          | 97.0%            |
| SAU801084     | NME200366       | 35%      | 99.1%          | 97.0%            |
| SAU801084     | PMU100897       | 49%      | 99.3%          | 99.0%            |
| SAU801084     | PRT102260       | 50%      | 99.5%          | 99.1%            |
| SAU801084     | PAE203560       | 38%      | 99.3%          | 57.9%            |
| SAU801084     | PPU109910       | 38%      | 99.0%          | 58%              |
| SAU801084     | PSY105138       | 40%      | 98.6%          | 57.6%            |
| SAU801084     | SPA101201       | 42%      | 99.5%          | 99.1%            |
| SAU801084     | STY104022       | 31%      | 97.7%          | 74.5%            |
| SAU801084     | STM101237       | 50%      | 99.5%          | 99.1%            |
| SAU801084     | SAU801084       | 100%     | 100%           | 100%             |
| SAU801084     | SEP200784       | 88%      | 100%           | 100%             |
| SAU801084     | SHA101356       | 86%      | 93.5%          | 100%             |
| SAU801084     | SMU100862       | 63%      | 99.8%          | 99.5%            |
| SAU801084     | SPN401062       | 61%      | 99.8%          | 99.5%            |
| SAU801084     | SPY201054       | 61%      | 99.8%          | 99.5%            |
| SAU801084     | TPA100738       | 24%      | 62.4%          | 48.5%            |
| SAU801084     | VCH100949       | 50%      | 99.3%          | 99.3%            |
| SAU801084     | YPS000626       | 51%      | 99.5%          | 99.1%            |
| SAU801089     | BAN110506       | 68%      | 97.5%          | 100%             |
| SAU801089     | BAN101466       | 68%      | 98.4%          | 100%             |
| SAU801089     | CJU101614       | 40%      | 97.5%          | 84.3%            |
| SAU801089     | CAC102576       | 47%      | 97.3%          | 99.1%            |
| SAU801089     | CBO101502       | 46%      | 97.3%          | 99.3%            |
| SAU801089     | CBO103283       | 48%      | 98.4%          | 97.7%            |
| SAU801089     | CDF101226       | 50%      | 93.8%          | 99.4%            |
| SAU801089     | CDP100435       | 37%      | 97.0%          | 79.7%            |
| SAU801089     | EFA200195       | 63%      | 97.0%          | 97.5%            |
| SAU801089     | EFM202397       | 67%      | 69.2%          | 98.5%            |
| SAU801089     | HPY101409       | 41%      | 95.9%          | 78.8%            |
| SAU801089     | LMO101604       | 66%      | 98.4%          | 100%             |
| SAU801089     | MAV101957       | 35%      | 96.6%          | 94.6%            |
| SAU801089     | MBV104272       | 34%      | 96.6%          | 97.0%            |
| SAU801089     | MLP100931       | 35%      | 96.6%          | 97.0%            |
| SAU801089     | MTU202715       | 34%      | 96.6%          | 97.0%            |
| SAU801089     | MGE100141       | 38%      | 96.1%          | 96.5%            |
| SAU801089     | MPN100555       | 38%      | 96.1%          | 96.5%            |
| SAU801089     | SAU801089       | 100%     | 100%           | 100%             |
| SAU801089     | SEP200794       | 95%      | 99.1%          | 100%             |
| SAU801089     | SHA100488       | 92%      | 98.4%          | 100%             |
| SAU801089     | SMU100700       | 61%      | 97.5%          | 98.2%            |
| SAU801089     | SPN400125       | 62%      | 98.4%          | 91.0%            |
| SAU801089     | SPY201445       | 61%      | 97.5%          | 98.2%            |
| SAU801089     | TPA100485       | 40%      | 12.0%          | 20.2%            |
| SAU801089     | UUR100577       | 38%      | 98.1%          | 93.8%            |
| SAU801089     | VCH100261       | 25%      | 18.4%          | 21.1%            |
| SAU801093     | BAN105734       | 63%      | 97.0%          | 97.6%            |
| SAU801093     | BAN110170       | 74%      | 97.8%          | 97.6%            |
| SAU801093     | BPT101610       | 30%      | 78.1%          | 91.3%            |
| SAU801093     | BCE113547       | 33%      | 91.1%          | 85.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801093     | BMA102663       | 34%      | 91.6%          | 86.1%            |
| SAU801093     | CPN200448       | 27%      | 81.6%          | 90.6%            |
| SAU801093     | CBO103958       | 32%      | 85.1%          | 98.8%            |
| SAU801093     | CDF100257       | 31%      | 83.8%          | 98.8%            |
| SAU801093     | EFA202418       | 67%      | 99.2%          | 98.9%            |
| SAU801093     | EFM201282       | 53%      | 19.7%          | 100%             |
| SAU801093     | KPN103829       | 37%      | 43.8%          | 83.4%            |
| SAU801093     | LPN103433       | 41%      | 95.1%          | 98.9%            |
| SAU801093     | LMO101849       | 75%      | 98.6%          | 98.4%            |
| SAU801093     | MAV103610       | 41%      | 92.2%          | 97.5%            |
| SAU801093     | MBV101185       | 40%      | 91.9%          | 95.2%            |
| SAU801093     | MTU202460       | 40%      | 91.9%          | 92.6%            |
| SAU801093     | MGE100280       | 35%      | 92.7%          | 95.5%            |
| SAU801093     | MPN100445       | 35%      | 91.1%          | 93.9%            |
| SAU801093     | PAE203415       | 37%      | 92.7%          | 94.2%            |
| SAU801093     | PPU111106       | 33%      | 91.6%          | 86.1%            |
| SAU801093     | SAU801093       | 100%     | 100%           | 100%             |
| SAU801093     | SEP200800       | 94%      | 100%           | 100%             |
| SAU801093     | SHA100009       | 93%      | 75.4%          | 100%             |
| SAU801093     | SMU100295       | 30%      | 92.7%          | 98.6%            |
| SAU801093     | SPY200775       | 28%      | 83.8%          | 99.1%            |
| SAU801094     | BAN108921       | 64%      | 98.5%          | 100%             |
| SAU801094     | BAN101772       | 74%      | 100%           | 100%             |
| SAU801094     | BPT101608       | 41%      | 98.8%          | 99.1%            |
| SAU801094     | BCE101800       | 45%      | 98.8%          | 96.2%            |
| SAU801094     | BMA104981       | 43%      | 98.8%          | 96.0%            |
| SAU801094     | CAC102552       | 23%      | 70.2%          | 35.4%            |
| SAU801094     | EBC103034       | 28%      | 86.8%          | 85.5%            |
| SAU801094     | EFA202409       | 74%      | 100%           | 100%             |
| SAU801094     | EFM200042       | 73%      | 100%           | 100%             |
| SAU801094     | HIN101408       | 22%      | 72.3%          | 35.8%            |
| SAU801094     | KPN303566       | 27%      | 71.4%          | 67.9%            |
| SAU801094     | LPN101708       | 45%      | 95.7%          | 96.0%            |
| SAU801094     | LMO100303       | 76%      | 100%           | 100%             |
| SAU801094     | MCA101840       | 24%      | 72.6%          | 32.9%            |
| SAU801094     | MAV103599       | 46%      | 98.8%          | 91.5%            |
| SAU801094     | MBV101184       | 45%      | 98.5%          | 92.0%            |
| SAU801094     | MTU202459       | 45%      | 98.5%          | 92.0%            |
| SAU801094     | MGE100279       | 39%      | 99.1%          | 98.8%            |
| SAU801094     | MPN100446       | 39%      | 99.1%          | 98.5%            |
| SAU801094     | NGO101578       | 28%      | 76.3%          | 36.3%            |
| SAU801094     | NME200546       | 28%      | 76.3%          | 36.3%            |
| SAU801094     | PMU100532       | 25%      | 68.9%          | 34.0%            |
| SAU801094     | PAE203414       | 40%      | 99.4%          | 97.0%            |
| SAU801094     | PPU100927       | 43%      | 98.8%          | 94.6%            |
| SAU801094     | SAU801094       | 100%     | 100%           | 100%             |
| SAU801094     | SEP200802       | 91%      | 100%           | 100%             |
| SAU801094     | SHA100436       | 90%      | 99.1%          | 100%             |
| SAU801095     | BAN101075       | 58%      | 98.4%          | 100%             |
| SAU801095     | BAN101226       | 68%      | 99.8%          | 99.8%            |
| SAU801095     | BCE111259       | 36%      | 98.6%          | 98.6%            |
| SAU801095     | BMA108930       | 37%      | 29.5%          | 2.9%             |
| SAU801095     | CBO101635       | 33%      | 98.1%          | 98.2%            |
| SAU801095     | EFA202405       | 61%      | 25.8%          | 1.7%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801095     | EFM201990       | 61%      | 26.7%          | 2.0%             |
| SAU801095     | HIN101204       | 33%      | 47.2%          | 20.3%            |
| SAU801095     | KPN301446       | 34%      | 77.4%          | 39.2%            |
| SAU801095     | LMO102367       | 65%      | 26.0%          | 1.5%             |
| SAU801095     | MAV103601       | 31%      | 98.8%          | 97.7%            |
| SAU801095     | MLP100521       | 34%      | 24.0%          | 2.8%             |
| SAU801095     | MTU403766       | 44%      | 20.7%          | 98.9%            |
| SAU801095     | MTU405732       | 33%      | 98.4%          | 96.7%            |
| SAU801095     | MPN100447       | 30%      | 97.9%          | 99.0%            |
| SAU801095     | PAE202247       | 36%      | 98.6%          | 98.6%            |
| SAU801095     | PPU100765       | 35%      | 98.6%          | 98.6%            |
| SAU801095     | PSY103646       | 35%      | 44.7%          | 9.5%             |
| SAU801095     | SAU801095       | 100%     | 100%           | 100%             |
| SAU801095     | SEP200804       | 86%      | 100%           | 100%             |
| SAU801095     | SHA100437       | 87%      | 77.7%          | 100%             |
| SAU801095     | SMU101479       | 35%      | 99.5%          | 100%             |
| SAU801095     | SPN401049       | 33%      | 72.6%          | 93.1%            |
| SAU801095     | SPY200777       | 33%      | 99.3%          | 100%             |
| SAU801096     | ABA101766       | 41%      | 97.9%          | 97.9%            |
| SAU801096     | BAN101609       | 50%      | 99.6%          | 99.4%            |
| SAU801096     | BAN103383       | 70%      | 99.6%          | 99.4%            |
| SAU801096     | BFR10034        | 34%      | 95.1%          | 98.4%            |
| SAU801096     | BFR11786        | 37%      | 94.9%          | 98.7%            |
| SAU801096     | BPT100905       | 42%      | 98.1%          | 77.5%            |
| SAU801096     | BCE110691       | 44%      | 97.2%          | 78.5%            |
| SAU801096     | BFU101154       | 43%      | 95.9%          | 94.9%            |
| SAU801096     | BMA108899       | 44%      | 95.9%          | 97.3%            |
| SAU801096     | CPN201018       | 38%      | 97.9%          | 98.3%            |
| SAU801096     | CTR200835       | 38%      | 97.4%          | 97.6%            |
| SAU801096     | CBO103777       | 42%      | 95.3%          | 96.3%            |
| SAU801096     | CBO103904       | 41%      | 95.1%          | 96.5%            |
| SAU801096     | CDF102926       | 39%      | 97.4%          | 97.6%            |
| SAU801096     | CDP100695       | 38%      | 97.4%          | 98.7%            |
| SAU801096     | EBC102751       | 44%      | 96.4%          | 95.6%            |
| SAU801096     | EFA202404       | 64%      | 99.6%          | 99.8%            |
| SAU801096     | EFM201020       | 62%      | 99.6%          | 99.8%            |
| SAU801096     | ECO100116       | 44%      | 96.4%          | 95.6%            |
| SAU801096     | HIN101203       | 44%      | 96.4%          | 94.8%            |
| SAU801096     | KPN301447       | 43%      | 96.4%          | 95.4%            |
| SAU801096     | LPN100879       | 41%      | 96.4%          | 95.6%            |
| SAU801096     | LMO101821       | 71%      | 99.6%          | 99.8%            |
| SAU801096     | MCA101643       | 41%      | 97.9%          | 97.7%            |
| SAU801096     | MAV101768       | 37%      | 97.4%          | 98.7%            |
| SAU801096     | MBV103409       | 36%      | 97.4%          | 98.9%            |
| SAU801096     | MLP101416       | 36%      | 97.4%          | 98.9%            |
| SAU801096     | MTU200460       | 36%      | 97.4%          | 98.9%            |
| SAU801096     | MGE100277       | 37%      | 97.0%          | 98.9%            |
| SAU801096     | MPN100448       | 39%      | 96.4%          | 98.2%            |
| SAU801096     | NGO100074       | 43%      | 97.0%          | 78.6%            |
| SAU801096     | NME201415       | 43%      | 98.1%          | 79.5%            |
| SAU801096     | PMU100893       | 43%      | 96.4%          | 95.6%            |
| SAU801096     | PRT102281       | 43%      | 96.4%          | 95.4%            |
| SAU801096     | PAE202248       | 42%      | 98.1%          | 98.9%            |
| SAU801096     | PPU100764       | 40%      | 98.1%          | 98.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801096     | PSY104859       | 40%      | 97.4%          | 97.5%            |
| SAU801096     | SPA100336       | 42%      | 83.1%          | 98.7%            |
| SAU801096     | STY103295       | 44%      | 96.4%          | 95.4%            |
| SAU801096     | STM103004       | 44%      | 96.4%          | 95.6%            |
| SAU801096     | SAU801096       | 100%     | 100%           | 100%             |
| SAU801096     | SEP200806       | 95%      | 100%           | 100%             |
| SAU801096     | SHA100679       | 93%      | 99.6%          | 100%             |
| SAU801096     | SMU100298       | 37%      | 96.4%          | 98.9%            |
| SAU801096     | SPN401048       | 37%      | 97.6%          | 79.5%            |
| SAU801096     | VCH102377       | 43%      | 96.4%          | 95.4%            |
| SAU801096     | YPS000861       | 44%      | 96.4%          | 95.4%            |
| SAU801105     | BAN103936       | 31%      | 94.4%          | 94.9%            |
| SAU801105     | BAN110850       | 38%      | 97.1%          | 99.3%            |
| SAU801105     | BFR103178       | 29%      | 92.9%          | 98.1%            |
| SAU801105     | BCE109436       | 41%      | 94.7%          | 95.4%            |
| SAU801105     | BFU115276       | 45%      | 92%            | 95.5%            |
| SAU801105     | BMA104207       | 41%      | 94.7%          | 95.7%            |
| SAU801105     | CAC103270       | 30%      | 91.8%          | 95.4%            |
| SAU801105     | EBC101317       | 36%      | 92.7%          | 97.3%            |
| SAU801105     | EFA201537       | 49%      | 94.7%          | 83.3%            |
| SAU801105     | EFA202292       | 57%      | 96.9%          | 96.0%            |
| SAU801105     | EFM202118       | 52%      | 61.1%          | 98.6%            |
| SAU801105     | ECO102349       | 35%      | 93.1%          | 96.4%            |
| SAU801105     | KPN301759       | 37%      | 92.7%          | 95.6%            |
| SAU801105     | LPN101696       | 26%      | 34.7%          | 40.5%            |
| SAU801105     | LMO100400       | 53%      | 96.9%          | 95.5%            |
| SAU801105     | MCA102057       | 22%      | 39.6%          | 42.3%            |
| SAU801105     | MCA103694       | 20%      | 56%            | 58.3%            |
| SAU801105     | MAV105572       | 34%      | 90%            | 94.9%            |
| SAU801105     | MBV103100       | 33%      | 39.6%          | 97.0%            |
| SAU801105     | MLP101268       | 32%      | 90.7%          | 91.5%            |
| SAU801105     | MTU200915       | 33%      | 93.6%          | 93.9%            |
| SAU801105     | NGO101522       | 20%      | 71.8%          | 73.4%            |
| SAU801105     | NME201499       | 21%      | 71.8%          | 73.4%            |
| SAU801105     | PMU100681       | 29%      | 26.7%          | 26.8%            |
| SAU801105     | PAE204332       | 46%      | 92.2%          | 97.4%            |
| SAU801105     | PSY105402       | 44%      | 94%            | 94.5%            |
| SAU801105     | SPA103529       | 36%      | 92.2%          | 95.4%            |
| SAU801105     | STY101143       | 35%      | 92.2%          | 95.4%            |
| SAU801105     | SAU801105       | 100%     | 100%           | 100%             |
| SAU801105     | SEP200820       | 84%      | 99.6%          | 100%             |
| SAU801105     | SHA100053       | 78%      | 69.6%          | 100%             |
| SAU801105     | SMU100063       | 53%      | 96%            | 97.8%            |
| SAU801105     | SPN400157       | 20%      | 84.2%          | 88.8%            |
| SAU801105     | SPY102082       | 52%      | 38.7%          | 100%             |
| SAU801105     | YPS000584       | 36%      | 90.9%          | 94.9%            |
| SAU801109     | ABA101290       | 53%      | 97.1%          | 98.7%            |
| SAU801109     | BAN108593       | 70%      | 99.2%          | 100%             |
| SAU801109     | BAN110377       | 74%      | 98.7%          | 99.3%            |
| SAU801109     | BFR12436        | 48%      | 97.6%          | 99.7%            |
| SAU801109     | BPT100252       | 55%      | 97.2%          | 96.1%            |
| SAU801109     | BCE107416       | 53%      | 97.2%          | 98.5%            |
| SAU801109     | BFU101165       | 52%      | 97.4%          | 85.6%            |
| SAU801109     | BMA100582       | 54%      | 97.2%          | 98.5%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801109     | CJU100039       | 54%      | 97.6%          | 99.3%            |
| SAU801109     | CAC100624       | 55%      | 97.7%          | 99.2%            |
| SAU801109     | CBO103040       | 55%      | 98.2%          | 99.2%            |
| SAU801109     | CDF100332       | 48%      | 97.2%          | 98.2%            |
| SAU801109     | CDP100988       | 46%      | 98.2%          | 99.1%            |
| SAU801109     | EBC103136       | 53%      | 98.2%          | 99.5%            |
| SAU801109     | EFA200305       | 72%      | 98.4%          | 99.2%            |
| SAU801109     | EFM200826       | 74%      | 86.7%          | 100%             |
| SAU801109     | ECO103777       | 54%      | 95.6%          | 99.5%            |
| SAU801109     | HIN100844       | 53%      | 96.7%          | 96.8%            |
| SAU801109     | HPY100476       | 53%      | 97.6%          | 99.8%            |
| SAU801109     | KPN301352       | 54%      | 98.2%          | 99.5%            |
| SAU801109     | LPN100213       | 53%      | 97.6%          | 98.7%            |
| SAU801109     | LMO100625       | 72%      | 98.5%          | 99.3%            |
| SAU801109     | MCA100597       | 52%      | 98.5%          | 99.7%            |
| SAU801109     | MAV106479       | 44%      | 97.6%          | 99.0%            |
| SAU801109     | MBV101431       | 45%      | 97.6%          | 99.0%            |
| SAU801109     | MLP100924       | 44%      | 97.6%          | 99.0%            |
| SAU801109     | MTU201150       | 45%      | 97.6%          | 99.0%            |
| SAU801109     | NGO100315       | 54%      | 97.9%          | 99.7%            |
| SAU801109     | NME201257       | 54%      | 97.9%          | 99.7%            |
| SAU801109     | PMU101173       | 53%      | 98.4%          | 98.7%            |
| SAU801109     | PRT102826       | 54%      | 97.1%          | 96.3%            |
| SAU801109     | PAE205112       | 54%      | 97.1%          | 98.7%            |
| SAU801109     | PPU101976       | 53%      | 98.0%          | 99.5%            |
| SAU801109     | PSY103102       | 52%      | 97.7%          | 99.2%            |
| SAU801109     | SPA102685       | 48%      | 70.7%          | 98.6%            |
| SAU801109     | STY103413       | 53%      | 98.2%          | 99.5%            |
| SAU801109     | STM101499       | 53%      | 98.2%          | 99.5%            |
| SAU801109     | SAU801109       | 100%     | 100%           | 100%             |
| SAU801109     | SEP200827       | 92%      | 100%           | 100%             |
| SAU801109     | SHA100537       | 93%      | 99.7%          | 99.8%            |
| SAU801109     | SMU100076       | 74%      | 98.9%          | 99.3%            |
| SAU801109     | SPN400598       | 73%      | 98.9%          | 98.4%            |
| SAU801109     | SPY201176       | 73%      | 98.9%          | 99.5%            |
| SAU801109     | VCH102705       | 54%      | 98.7%          | 99.7%            |
| SAU801109     | YPS001324       | 54%      | 97.6%          | 98.8%            |
| SAU801113     | ABA103723       | 30%      | 86.6%          | 81.2%            |
| SAU801113     | BAN104342       | 37%      | 97.6%          | 93.4%            |
| SAU801113     | BAN103666       | 38%      | 99.5%          | 91.4%            |
| SAU801113     | BFR100762       | 27%      | 80.2%          | 71.9%            |
| SAU801113     | BPT103003       | 31%      | 95.2%          | 87.9%            |
| SAU801113     | BCE103498       | 32%      | 95.2%          | 92.6%            |
| SAU801113     | BFU100816       | 32%      | 95.2%          | 81.9%            |
| SAU801113     | BMA109411       | 32%      | 95.2%          | 81.2%            |
| SAU801113     | CJU100966       | 30%      | 90.3%          | 91.7%            |
| SAU801113     | CTR200136       | 29%      | 85.5%          | 76.2%            |
| SAU801113     | CAC100555       | 33%      | 94.4%          | 91.4%            |
| SAU801113     | CBO100202       | 34%      | 94.4%          | 91.1%            |
| SAU801113     | CDF103581       | 34%      | 89.0%          | 85.9%            |
| SAU801113     | EBC102569       | 31%      | 85.8%          | 76.8%            |
| SAU801113     | EFA200310       | 34%      | 91.7%          | 86.6%            |
| SAU801113     | EFM200911       | 35%      | 90.9%          | 87.6%            |
| SAU801113     | ECO100089       | 31%      | 89.3%          | 78.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801113     | HIN101111       | 36%      | 86.6%          | 80.2%            |
| SAU801113     | HPY101537       | 28%      | 88.5%          | 89.7%            |
| SAU801113     | KPN301852       | 31%      | 85.8%          | 75%              |
| SAU801113     | LPN100221       | 36%      | 76.4%          | 94.0%            |
| SAU801113     | LMO101232       | 37%      | 92.8%          | 86.2%            |
| SAU801113     | MCA103455       | 30%      | 95.4%          | 90.8%            |
| SAU801113     | MAV103648       | 30%      | 91.2%          | 54.4%            |
| SAU801113     | MBV100525       | 30%      | 85.8%          | 63.8%            |
| SAU801113     | MLP100568       | 31%      | 91.2%          | 62.2%            |
| SAU801113     | MTU202120       | 30%      | 85.8%          | 59.5%            |
| SAU801113     | NGO100588       | 31%      | 98.4%          | 91.0%            |
| SAU801113     | NME201907       | 31%      | 98.4%          | 88.5%            |
| SAU801113     | PMU100141       | 32%      | 86.6%          | 80.3%            |
| SAU801113     | PRT102637       | 34%      | 79.4%          | 73.6%            |
| SAU801113     | PAE204411       | 32%      | 86.6%          | 79.7%            |
| SAU801113     | PPU112591       | 33%      | 86.6%          | 78.7%            |
| SAU801113     | PSY103847       | 33%      | 76.7%          | 70.3%            |
| SAU801113     | STY103175       | 31%      | 89.0%          | 78.5%            |
| SAU801113     | STM102887       | 31%      | 89.0%          | 78.5%            |
| SAU801113     | SAU801113       | 100%     | 100%           | 100%             |
| SAU801113     | SEP200834       | 76%      | 100%           | 91.4%            |
| SAU801113     | SHA101706       | 67%      | 99.2%          | 98.7%            |
| SAU801113     | SMU101535       | 33%      | 90.6%          | 83.3%            |
| SAU801113     | SPN400973       | 32%      | 89.3%          | 84.6%            |
| SAU801113     | SPY200440       | 32%      | 89.5%          | 81.6%            |
| SAU801113     | TPA100383       | 28%      | 91.2%          | 86.2%            |
| SAU801113     | VCH102367       | 30%      | 98.4%          | 90.7%            |
| SAU801113     | YPS001012       | 32%      | 86.3%          | 78.8%            |
| SAU801114     | BAN108934       | 45%      | 91.4%          | 93.8%            |
| SAU801114     | BAN112613       | 63%      | 99.7%          | 99.7%            |
| SAU801114     | CAC103250       | 54%      | 99.7%          | 99.9%            |
| SAU801114     | CBO103581       | 54%      | 99.7%          | 100%             |
| SAU801114     | CDF100269       | 54%      | 99.4%          | 99.7%            |
| SAU801114     | CDP100823       | 45%      | 99.4%          | 98.7%            |
| SAU801114     | EFA200317       | 58%      | 99.5%          | 99.9%            |
| SAU801114     | EFM202099       | 59%      | 99.3%          | 99.7%            |
| SAU801114     | LMO100679       | 61%      | 99.7%          | 99.9%            |
| SAU801114     | MAV103158       | 45%      | 99.4%          | 99.9%            |
| SAU801114     | MBV103377       | 45%      | 99.1%          | 99.6%            |
| SAU801114     | MTU202929       | 45%      | 99.1%          | 99.6%            |
| SAU801114     | PSY103300       | 37%      | 53.4%          | 99.2%            |
| SAU801114     | SAU801114       | 100%     | 100%           | 100%             |
| SAU801114     | SEP200837       | 89%      | 53.1%          | 100%             |
| SAU801114     | SHA101707       | 87%      | 53.1%          | 100%             |
| SAU801114     | TPA100055       | 32%      | 53.3%          | 99.2%            |
| SAU801131     | BAN104171       | 29%      | 58.6%          | 92.8%            |
| SAU801131     | BAN109296       | 27%      | 75.8%          | 17.5%            |
| SAU801131     | BAN111612       | 29%      | 48.0%          | 34.6%            |
| SAU801131     | BAN104612       | 32%      | 80.6%          | 73.4%            |
| SAU801131     | LMO101229       | 33%      | 89.4%          | 90.8%            |
| SAU801131     | MPN100554       | 21%      | 59.9%          | 34.2%            |
| SAU801131     | SPA106331       | 44%      | 15.9%          | 58.5%            |
| SAU801131     | SAU801131       | 100%     | 100%           | 100%             |
| SAU801132     | BAN101870       | 26%      | 67.3%          | 52.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801132     | BCE107002       | 21%      | 31.8%          | 77.4%            |
| SAU801132     | BMA100184       | 22%      | 30.4%          | 49.3%            |
| SAU801132     | CDF100362       | 23%      | 41.3%          | 40.5%            |
| SAU801132     | EBC105295       | 32%      | 16.5%          | 41.3%            |
| SAU801132     | SAU801132       | 100%     | 100%           | 100%             |
| SAU801134     | BAN105614       | 34%      | 96.7%          | 83.4%            |
| SAU801134     | BAN106021       | 40%      | 98.9%          | 84.7%            |
| SAU801134     | LMO101340       | 45%      | 97.1%          | 82.4%            |
| SAU801134     | MBV103792       | 35%      | 36.3%          | 20.3%            |
| SAU801134     | MTU203401       | 35%      | 36.3%          | 20.3%            |
| SAU801134     | SAU801134       | 100%     | 100%           | 100%             |
| SAU801134     | SPY201382       | 44%      | 97.1%          | 80%              |
| SAU801135     | BAN105520       | 35%      | 98.0%          | 98.4%            |
| SAU801135     | BAN110918       | 42%      | 87.7%          | 98.2%            |
| SAU801135     | BFR104438       | 27%      | 35.2%          | 17.3%            |
| SAU801135     | BBU100793       | 27%      | 32.8%          | 5.8%             |
| SAU801135     | CDF102404       | 29%      | 35.2%          | 96.6%            |
| SAU801135     | CDF100360       | 31%      | 97.5%          | 99.1%            |
| SAU801135     | LMO100254       | 34%      | 98.8%          | 99.2%            |
| SAU801135     | PRT104101       | 25%      | 42.6%          | 41.5%            |
| SAU801135     | SAU801135       | 100%     | 100%           | 100%             |
| SAU801135     | SPY200094       | 33%      | 74.2%          | 76.4%            |
| SAU801138     | ABA102496       | 48%      | 96.0%          | 99.4%            |
| SAU801138     | BAN107250       | 37%      | 96.0%          | 100%             |
| SAU801138     | BAN102079       | 67%      | 96.0%          | 98.3%            |
| SAU801138     | BFR10569        | 47%      | 92.6%          | 95.0%            |
| SAU801138     | BPT100287       | 42%      | 95.7%          | 98.2%            |
| SAU801138     | BBU100512       | 28%      | 85.5%          | 62.1%            |
| SAU801138     | BCE106124       | 42%      | 97.4%          | 96.0%            |
| SAU801138     | BFU115595       | 45%      | 92.0%          | 95.3%            |
| SAU801138     | BMA107718       | 43%      | 95.7%          | 99.1%            |
| SAU801138     | CJU100828       | 42%      | 94.6%          | 99.7%            |
| SAU801138     | CPN200846       | 40%      | 97.4%          | 99.7%            |
| SAU801138     | CTR200219       | 42%      | 97.4%          | 99.7%            |
| SAU801138     | CAC101335       | 51%      | 96.6%          | 99.7%            |
| SAU801138     | CBO103589       | 50%      | 96.6%          | 99.7%            |
| SAU801138     | CDF100403       | 40%      | 47.2%          | 99.4%            |
| SAU801138     | CDF100483       | 63%      | 37.5%          | 99.2%            |
| SAU801138     | CDF100608       | 51%      | 96.6%          | 98.8%            |
| SAU801138     | CDP100986       | 39%      | 95.5%          | 89.7%            |
| SAU801138     | EBC102986       | 50%      | 96.0%          | 99.1%            |
| SAU801138     | EFA201458       | 62%      | 98.6%          | 100%             |
| SAU801138     | EFM202235       | 65%      | 97.7%          | 99.4%            |
| SAU801138     | ECO101682       | 50%      | 96.0%          | 99.1%            |
| SAU801138     | HN101277        | 46%      | 96.6%          | 99.7%            |
| SAU801138     | HPY100399       | 45%      | 92.6%          | 97.9%            |
| SAU801138     | KPN301693       | 50%      | 96.0%          | 99.1%            |
| SAU801138     | LPN101724       | 50%      | 95.7%          | 98.8%            |
| SAU801138     | LMO102680       | 64%      | 97.4%          | 98.3%            |
| SAU801138     | MCA100196       | 45%      | 96.6%          | 94.2%            |
| SAU801138     | MAV106540       | 43%      | 90.6%          | 90.2%            |
| SAU801138     | MBV103898       | 43%      | 88.9%          | 87.2%            |
| SAU801138     | MLP100869       | 43%      | 89.2%          | 88%              |
| SAU801138     | MTU201628       | 43%      | 88.9%          | 90.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801138     | MGE100196       | 37%      | 85.8%          | 89.7%            |
| SAU801138     | MPN100049       | 37%      | 82.4%          | 85.0%            |
| SAU801138     | NGO101895       | 42%      | 96.6%          | 99.7%            |
| SAU801138     | NME200858       | 42%      | 96.3%          | 99.1%            |
| SAU801138     | PMU100631       | 48%      | 96.6%          | 99.7%            |
| SAU801138     | PRT101305       | 51%      | 96.0%          | 99.1%            |
| SAU801138     | PAE202738       | 52%      | 96.6%          | 99.7%            |
| SAU801138     | PPU103714       | 51%      | 96.6%          | 99.7%            |
| SAU801138     | PSY100067       | 54%      | 82.7%          | 99.7%            |
| SAU801138     | SPA100213       | 49%      | 92.0%          | 98.7%            |
| SAU801138     | STY101116       | 50%      | 96.0%          | 99.1%            |
| SAU801138     | STM103449       | 50%      | 96.0%          | 99.1%            |
| SAU801138     | SAU801138       | 100%     | 100%           | 100%             |
| SAU801138     | SEP200863       | 90%      | 99.7%          | 99.7%            |
| SAU801138     | SHA100441       | 89%      | 99.7%          | 99.7%            |
| SAU801138     | SMU100485       | 62%      | 97.4%          | 99.7%            |
| SAU801138     | SPN400507       | 60%      | 96.9%          | 91.7%            |
| SAU801138     | SPY200564       | 62%      | 97.4%          | 92.8%            |
| SAU801138     | TPA100963       | 29%      | 68.8%          | 47.9%            |
| SAU801138     | UUR100463       | 40%      | 92.9%          | 96.1%            |
| SAU801138     | VCH101200       | 49%      | 96.6%          | 99.7%            |
| SAU801138     | YPS003058       | 49%      | 96.0%          | 99.1%            |
| SAU801139     | ABA102495       | 35%      | 90.6%          | 100%             |
| SAU801139     | BAN109820       | 37%      | 74.2%          | 75.8%            |
| SAU801139     | BAN101919       | 47%      | 100%           | 99.9%            |
| SAU801139     | BFR11118        | 33%      | 100%           | 100%             |
| SAU801139     | BPT100285       | 34%      | 99.1%          | 98.9%            |
| SAU801139     | BBU100513       | 23%      | 36.2%          | 49.3%            |
| SAU801139     | BCE101979       | 33%      | 100%           | 99.9%            |
| SAU801139     | BFU107151       | 31%      | 40.8%          | 93.6%            |
| SAU801139     | BMA101914       | 34%      | 100%           | 99.9%            |
| SAU801139     | CJU100827       | 26%      | 100%           | 100%             |
| SAU801139     | CPN200152       | 29%      | 98.4%          | 97.7%            |
| SAU801139     | CTR200749       | 28%      | 97.9%          | 97.3%            |
| SAU801139     | CAC101148       | 37%      | 98.5%          | 98.4%            |
| SAU801139     | CBO103321       | 38%      | 100%           | 99.9%            |
| SAU801139     | CDF100484       | 45%      | 32.9%          | 100%             |
| SAU801139     | CDF103760       | 38%      | 99.4%          | 99.0%            |
| SAU801139     | CDP100987       | 30%      | 97.9%          | 97.7%            |
| SAU801139     | EBC102988       | 37%      | 72.8%          | 99.7%            |
| SAU801139     | EFA201457       | 45%      | 99.8%          | 99.6%            |
| SAU801139     | EFM200867       | 44%      | 99.2%          | 99.1%            |
| SAU801139     | ECO101681       | 37%      | 99.4%          | 99.1%            |
| SAU801139     | HIN101278       | 36%      | 99.2%          | 98.6%            |
| SAU801139     | HPY100398       | 25%      | 98.6%          | 98.4%            |
| SAU801139     | KPN301695       | 37%      | 99.4%          | 99.1%            |
| SAU801139     | LPN100643       | 34%      | 97.8%          | 97.5%            |
| SAU801139     | LMO101759       | 47%      | 100%           | 100%             |
| SAU801139     | MCA100197       | 33%      | 99.6%          | 99.4%            |
| SAU801139     | MAV106542       | 30%      | 100%           | 99.9%            |
| SAU801139     | MBV101271       | 32%      | 73%            | 90.4%            |
| SAU801139     | MLP100870       | 30%      | 100%           | 99.8%            |
| SAU801139     | MTU201629       | 30%      | 100%           | 99.9%            |
| SAU801139     | MGE100197       | 26%      | 88.4%          | 89.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801139     | MPN100048       | 26%      | 89.6%          | 89.6%            |
| SAU801139     | NGO101903       | 34%      | 100%           | 99.9%            |
| SAU801139     | NME200861       | 34%      | 100%           | 99.9%            |
| SAU801139     | PMU100629       | 35%      | 99%            | 98.7%            |
| SAU801139     | PRT101304       | 36%      | 99%            | 98.7%            |
| SAU801139     | PAE202737       | 35%      | 99.4%          | 99.1%            |
| SAU801139     | PPU103715       | 34%      | 99%            | 98.7%            |
| SAU801139     | PSY100068       | 35%      | 99.4%          | 99.1%            |
| SAU801139     | SPA100516       | 35%      | 78%            | 99.4%            |
| SAU801139     | STY101114       | 36%      | 99.4%          | 99.1%            |
| SAU801139     | STM103450       | 37%      | 99.4%          | 99.1%            |
| SAU801139     | SAU801139       | 100%     | 100%           | 100%             |
| SAU801139     | SEP200864       | 78%      | 100%           | 100%             |
| SAU801139     | SHA100442       | 80%      | 62.4%          | 94.3%            |
| SAU801139     | SMU100476       | 43%      | 5.4%           | 95.7%            |
| SAU801139     | SMU100483       | 44%      | 100%           | 100%             |
| SAU801139     | SPN400509       | 45%      | 99.4%          | 99.2%            |
| SAU801139     | SPY200565       | 44%      | 100%           | 100%             |
| SAU801139     | TPA100014       | 25%      | 35.2%          | 44.9%            |
| SAU801139     | UUR100462       | 24%      | 89.6%          | 90.4%            |
| SAU801139     | VCH101201       | 35%      | 100%           | 99.9%            |
| SAU801139     | YPS003055       | 37%      | 99%            | 98.7%            |
| SAU801144     | BAN110629       | 43%      | 83.2%          | 82.7%            |
| SAU801144     | BAN100015       | 49%      | 100%           | 100%             |
| SAU801144     | BFR11777        | 30%      | 98.6%          | 98.4%            |
| SAU801144     | BBU100098       | 31%      | 86.3%          | 86.4%            |
| SAU801144     | CJU100980       | 23%      | 82.1%          | 84.2%            |
| SAU801144     | CAC102136       | 38%      | 100%           | 100%             |
| SAU801144     | CBO102295       | 40%      | 100%           | 100%             |
| SAU801144     | CDF103406       | 42%      | 100%           | 100%             |
| SAU801144     | EFA202339       | 44%      | 99.5%          | 99.5%            |
| SAU801144     | EFM201371       | 43%      | 100%           | 100%             |
| SAU801144     | HPY100613       | 24%      | 92.1%          | 90.9%            |
| SAU801144     | LMO101164       | 47%      | 100%           | 100%             |
| SAU801144     | SAU801144       | 100%     | 100%           | 100%             |
| SAU801144     | SEP200869       | 84%      | 100%           | 100%             |
| SAU801144     | SHA101143       | 83%      | 77.0%          | 99.8%            |
| SAU801144     | SMU101270       | 40%      | 100%           | 99.0%            |
| SAU801144     | SPN400368       | 38%      | 100%           | 99.9%            |
| SAU801144     | SPY201414       | 40%      | 99.9%          | 99.9%            |
| SAU801151     | ABA103721       | 33%      | 81.2%          | 79.3%            |
| SAU801151     | BAN108866       | 40%      | 93.6%          | 100%             |
| SAU801151     | BAN105656       | 42%      | 98.5%          | 97.4%            |
| SAU801151     | BAN100164       | 45%      | 97.7%          | 93.5%            |
| SAU801151     | BAN103658       | 51%      | 98.5%          | 97.4%            |
| SAU801151     | BFR102236       | 34%      | 98.1%          | 96.1%            |
| SAU801151     | BPT101248       | 23%      | 49.6%          | 54.9%            |
| SAU801151     | BBU100100       | 23%      | 87.6%          | 87.4%            |
| SAU801151     | BCE107277       | 33%      | 73.7%          | 92.8%            |
| SAU801151     | BFU109172       | 29%      | 90.6%          | 93.8%            |
| SAU801151     | BMA106607       | 30%      | 98.5%          | 90.3%            |
| SAU801151     | CJU101558       | 34%      | 94.4%          | 98%              |
| SAU801151     | CAC101362       | 37%      | 72.6%          | 75%              |
| SAU801151     | CBO102188       | 33%      | 83.5%          | 84.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801151     | CDF101024       | 39%      | 98.9%          | 98.1%            |
| SAU801151     | CDP101353       | 44%      | 98.5%          | 98.5%            |
| SAU801151     | EBC101695       | 32%      | 84.2%          | 86.5%            |
| SAU801151     | EFA201433       | 50%      | 94.4%          | 91.3%            |
| SAU801151     | EFM201002       | 49%      | 98.9%          | 95.3%            |
| SAU801151     | ECO103873       | 31%      | 80.1%          | 74.0%            |
| SAU801151     | HIN101705       | 29%      | 82.0%          | 81.0%            |
| SAU801151     | HPY100542       | 35%      | 94.4%          | 99.2%            |
| SAU801151     | KPN308897       | 31%      | 77.1%          | 85.1%            |
| SAU801151     | LPN100405       | 42%      | 85.7%          | 81.0%            |
| SAU801151     | LMO101688       | 50%      | 99.2%          | 99.2%            |
| SAU801151     | MCA100045       | 30%      | 81.2%          | 76.8%            |
| SAU801151     | MAV103533       | 40%      | 95.9%          | 93.8%            |
| SAU801151     | MBV101876       | 40%      | 94.0%          | 91.9%            |
| SAU801151     | MLP100726       | 40%      | 95.9%          | 93.4%            |
| SAU801151     | MTU201321       | 40%      | 94.0%          | 91.9%            |
| SAU801151     | NGO101679       | 36%      | 98.5%          | 97.0%            |
| SAU801151     | NME201872       | 37%      | 98.5%          | 97.0%            |
| SAU801151     | PMU100917       | 30%      | 82.7%          | 83.3%            |
| SAU801151     | PRT105607       | 32%      | 82.0%          | 76.4%            |
| SAU801151     | PAE204659       | 35%      | 81.2%          | 81.1%            |
| SAU801151     | PPU109719       | 33%      | 98.1%          | 97.7%            |
| SAU801151     | PSY106535       | 35%      | 96.2%          | 92.4%            |
| SAU801151     | SPA103848       | 25%      | 30.5%          | 66.9%            |
| SAU801151     | STY102718       | 31%      | 84.2%          | 86.5%            |
| SAU801151     | STM102035       | 31%      | 84.2%          | 79.5%            |
| SAU801151     | SAU801151       | 100%     | 100%           | 100%             |
| SAU801151     | SEP200875       | 86%      | 100%           | 99.6%            |
| SAU801151     | SHA100464       | 82%      | 100%           | 100%             |
| SAU801151     | SMU100491       | 42%      | 98.9%          | 99.2%            |
| SAU801151     | SPN401694       | 45%      | 98.9%          | 99.2%            |
| SAU801151     | SPY200261       | 43%      | 98.5%          | 98.9%            |
| SAU801151     | TPA100402       | 24%      | 75.2%          | 75%              |
| SAU801151     | VCH100156       | 30%      | 88.7%          | 86.8%            |
| SAU801151     | YPS001748       | 30%      | 80.5%          | 74.9%            |
| SAU801152     | ABA101490       | 43%      | 95.9%          | 94.2%            |
| SAU801152     | BAN102272       | 53%      | 53.8%          | 29.6%            |
| SAU801152     | BAN103467       | 53%      | 53.8%          | 29.8%            |
| SAU801152     | BFR100882       | 42%      | 96.4%          | 97.4%            |
| SAU801152     | BPT102669       | 41%      | 93.3%          | 80.7%            |
| SAU801152     | BBU100246       | 37%      | 96.9%          | 96.5%            |
| SAU801152     | BCE101174       | 43%      | 53.8%          | 30.6%            |
| SAU801152     | BFU112825       | 42%      | 98.5%          | 93.4%            |
| SAU801152     | BMA101121       | 41%      | 95.4%          | 91.4%            |
| SAU801152     | CJU101298       | 38%      | 96.4%          | 97%              |
| SAU801152     | CPN201078       | 36%      | 96.4%          | 94.2%            |
| SAU801152     | CTR200884       | 38%      | 96.4%          | 92.8%            |
| SAU801152     | CAC102793       | 46%      | 94.9%          | 94.5%            |
| SAU801152     | CBO101239       | 45%      | 96.9%          | 97.5%            |
| SAU801152     | CDF103949       | 41%      | 94.4%          | 42.1%            |
| SAU801152     | CDP101347       | 33%      | 96.9%          | 97.1%            |
| SAU801152     | EBC103395       | 44%      | 94.9%          | 96.4%            |
| SAU801152     | EFA204162       | 30%      | 92.3%          | 92.4%            |
| SAU801152     | EFA201431       | 48%      | 94.9%          | 41.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801152     | EFM201013       | 55%      | 53.3%          | 29.4%            |
| SAU801152     | ECO102889       | 43%      | 94.9%          | 96.4%            |
| SAU801152     | HIN100246       | 41%      | 96.4%          | 99.0%            |
| SAU801152     | KPN300507       | 52%      | 27.2%          | 82.8%            |
| SAU801152     | KPN302113       | 46%      | 94.9%          | 96.4%            |
| SAU801152     | LPN101495       | 44%      | 96.9%          | 99.0%            |
| SAU801152     | LMO101778       | 47%      | 95.4%          | 93.6%            |
| SAU801152     | MCA101652       | 45%      | 93.3%          | 93.6%            |
| SAU801152     | MAV103539       | 38%      | 97.4%          | 96.6%            |
| SAU801152     | MBV101882       | 37%      | 93.8%          | 92.6%            |
| SAU801152     | MLP100729       | 35%      | 95.9%          | 89.1%            |
| SAU801152     | MTU201324       | 37%      | 93.8%          | 92.6%            |
| SAU801152     | NGO100831       | 41%      | 92.8%          | 93.0%            |
| SAU801152     | NME200785       | 41%      | 92.8%          | 93.0%            |
| SAU801152     | PMU101666       | 42%      | 96.4%          | 96.5%            |
| SAU801152     | PRT105468       | 42%      | 94.9%          | 96.4%            |
| SAU801152     | PAE200386       | 40%      | 95.4%          | 95.9%            |
| SAU801152     | PPU102088       | 41%      | 94.9%          | 94.9%            |
| SAU801152     | PSY103557       | 40%      | 95.4%          | 95.5%            |
| SAU801152     | SPA102538       | 45%      | 94.9%          | 97.4%            |
| SAU801152     | STY104601       | 45%      | 94.9%          | 96.4%            |
| SAU801152     | STM100605       | 46%      | 94.9%          | 96.4%            |
| SAU801152     | SAU801152       | 100%     | 100%           | 100%             |
| SAU801152     | SEP200876       | 72%      | 100%           | 100%             |
| SAU801152     | SHA100465       | 70%      | 99.0%          | 100%             |
| SAU801152     | SMU100489       | 41%      | 97.9%          | 60.3%            |
| SAU801152     | SPN401693       | 42%      | 94.9%          | 56.8%            |
| SAU801152     | SPY200262       | 41%      | 93.3%          | 57.0%            |
| SAU801152     | TPA100434       | 39%      | 89.7%          | 65.8%            |
| SAU801152     | VCH100451       | 44%      | 99.0%          | 99%              |
| SAU801152     | YPS000246       | 48%      | 94.9%          | 96.4%            |
| SAU801170     | BMA101214       | 41%      | 98.7%          | 95.2%            |
| SAU801170     | EBC101762       | 45%      | 98.4%          | 97.2%            |
| SAU801170     | EFA201006       | 51%      | 99.4%          | 99.4%            |
| SAU801170     | EFA201632       | 52%      | 99.0%          | 97.8%            |
| SAU801170     | ECO102810       | 53%      | 98.7%          | 98.4%            |
| SAU801170     | HIN100574       | 41%      | 99.4%          | 96.8%            |
| SAU801170     | MPN100529       | 45%      | 100%           | 100%             |
| SAU801170     | PAE205168       | 41%      | 98.1%          | 95.8%            |
| SAU801170     | PPU103958       | 42%      | 98.1%          | 95.8%            |
| SAU801170     | STY103966       | 44%      | 98.7%          | 95.5%            |
| SAU801170     | SAU801170       | 100%     | 100%           | 100%             |
| SAU801170     | SEP202230       | 89%      | 100%           | 100%             |
| SAU801170     | SHA100424       | 68%      | 54.8%          | 99.4%            |
| SAU801170     | SPN401955       | 49%      | 99.4%          | 98.4%            |
| SAU801179     | ABA100924       | 43%      | 99.0%          | 98.0%            |
| SAU801179     | BAN107720       | 43%      | 99.0%          | 100%             |
| SAU801179     | BAN107471       | 64%      | 99.0%          | 99.4%            |
| SAU801179     | BFR10235        | 40%      | 98.4%          | 97.0%            |
| SAU801179     | BPT103017       | 39%      | 92.9%          | 78.3%            |
| SAU801179     | BBU100305       | 32%      | 98.7%          | 98.0%            |
| SAU801179     | BCE109760       | 40%      | 97.1%          | 98.7%            |
| SAU801179     | BFU100821       | 39%      | 98.1%          | 95.6%            |
| SAU801179     | BMA103495       | 41%      | 98.7%          | 97.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801179     | CJU100643       | 38%      | 97.1%          | 94.9%            |
| SAU801179     | CPN200328       | 33%      | 98.1%          | 97.0%            |
| SAU801179     | CTR200537       | 32%      | 98.1%          | 95.4%            |
| SAU801179     | CAC101664       | 53%      | 98.7%          | 98.1%            |
| SAU801179     | CBO100001       | 53%      | 98.1%          | 95.6%            |
| SAU801179     | CDF103476       | 49%      | 98.7%          | 96.5%            |
| SAU801179     | CDP101284       | 38%      | 93.2%          | 88.2%            |
| SAU801179     | EBC101940       | 41%      | 87.1%          | 83.2%            |
| SAU801179     | EFA202184       | 63%      | 99.7%          | 96.9%            |
| SAU801179     | EFM200229       | 64%      | 99.7%          | 97.5%            |
| SAU801179     | ECO100082       | 41%      | 98.7%          | 97.4%            |
| SAU801179     | HIN101104       | 41%      | 98.1%          | 96.0%            |
| SAU801179     | HPY100698       | 38%      | 97.4%          | 96.1%            |
| SAU801179     | KPN301853       | 37%      | 98.7%          | 88.2%            |
| SAU801179     | LPN101684       | 43%      | 99.7%          | 99.7%            |
| SAU801179     | LMO102721       | 67%      | 99.0%          | 98.7%            |
| SAU801179     | MCA100816       | 40%      | 98.4%          | 92.2%            |
| SAU801179     | MAV103917       | 40%      | 98.7%          | 96.0%            |
| SAU801179     | MBV101484       | 43%      | 92.0%          | 87.5%            |
| SAU801179     | MLP100561       | 41%      | 92.6%          | 77.7%            |
| SAU801179     | MTU202131       | 40%      | 98.7%          | 79.8%            |
| SAU801179     | MGE100227       | 34%      | 98.1%          | 97.1%            |
| SAU801179     | MPN100521       | 37%      | 98.1%          | 97.4%            |
| SAU801179     | NGO100619       | 43%      | 98.7%          | 95.6%            |
| SAU801179     | NME201916       | 43%      | 98.7%          | 92.7%            |
| SAU801179     | PMU100134       | 43%      | 98.7%          | 96.6%            |
| SAU801179     | PRT102632       | 42%      | 98.7%          | 97.1%            |
| SAU801179     | PAE204418       | 42%      | 99.7%          | 98.7%            |
| SAU801179     | PPU105960       | 40%      | 99.7%          | 98.1%            |
| SAU801179     | PSY103858       | 42%      | 99.7%          | 98.7%            |
| SAU801179     | SPA102751       | 38%      | 98.7%          | 97.4%            |
| SAU801179     | STY103148       | 39%      | 98.7%          | 97.4%            |
| SAU801179     | STM102860       | 39%      | 98.7%          | 97.4%            |
| SAU801179     | SAU801179       | 100%     | 100%           | 100%             |
| SAU801179     | SEP200893       | 89%      | 100%           | 100%             |
| SAU801179     | SHA101308       | 91%      | 100%           | 100%             |
| SAU801179     | SMU101437       | 56%      | 99.7%          | 98.4%            |
| SAU801179     | SPN400302       | 59%      | 98.1%          | 96.8%            |
| SAU801179     | SPY201283       | 57%      | 99.7%          | 92.3%            |
| SAU801179     | TPA100380       | 30%      | 68.2%          | 59.1%            |
| SAU801179     | UUR100389       | 48%      | 97.1%          | 96.4%            |
| SAU801179     | VCH102374       | 38%      | 99.4%          | 98.7%            |
| SAU801179     | YPS000988       | 41%      | 98.7%          | 95.3%            |
| SAU801180     | BAN113715       | 43%      | 43.6%          | 81.7%            |
| SAU801180     | BAN110605       | 34%      | 78.2%          | 90.8%            |
| SAU801180     | EFA202182       | 24%      | 80.5%          | 79.3%            |
| SAU801180     | EFM201482       | 23%      | 94.7%          | 100%             |
| SAU801180     | LMO102397       | 32%      | 75.2%          | 80.8%            |
| SAU801180     | SAU801180       | 100%     | 100%           | 100%             |
| SAU801180     | SEP200895       | 84%      | 100%           | 100%             |
| SAU801180     | SHA101309       | 73%      | 100%           | 100%             |
| SAU801180     | SMU101439       | 27%      | 69.2%          | 86.0%            |
| SAU801180     | SPN400303       | 16%      | 64.7%          | 81.9%            |
| SAU801180     | SPY201282       | 25%      | 69.2%          | 86.0%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801181     | ABA105255       | 26%      | 77.3%          | 93.3%            |
| SAU801181     | BAN113613       | 30%      | 9.5%           | 91.8%            |
| SAU801181     | BAN105395       | 35%      | 43.0%          | 95.3%            |
| SAU801181     | BAN105591       | 28%      | 92.1%          | 95.1%            |
| SAU801181     | BAN110033       | 36%      | 95.3%          | 97.9%            |
| SAU801181     | BAN112091       | 35%      | 94.6%          | 97.8%            |
| SAU801181     | BFR101372       | 24%      | 93.7%          | 99.0%            |
| SAU801181     | BPT103014       | 29%      | 65.5%          | 79.4%            |
| SAU801181     | BBU100135       | 25%      | 83.3%          | 95.2%            |
| SAU801181     | BCE112144       | 27%      | 76.7%          | 87.3%            |
| SAU801181     | BFU100822       | 27%      | 76.7%          | 86.6%            |
| SAU801181     | BMA103887       | 27%      | 78.1%          | 90.6%            |
| SAU801181     | CPN200330       | 26%      | 40.6%          | 51.6%            |
| SAU801181     | CTR200535       | 25%      | 59.5%          | 68.9%            |
| SAU801181     | CAC102451       | 27%      | 80.1%          | 99.7%            |
| SAU801181     | CAC102718       | 28%      | 93.3%          | 96.4%            |
| SAU801181     | CBO100210       | 28%      | 95.2%          | 98.3%            |
| SAU801181     | CDF104232       | 29%      | 86.8%          | 98.6%            |
| SAU801181     | CDP101283       | 25%      | 71.0%          | 91.5%            |
| SAU801181     | EBC102574       | 26%      | 76.7%          | 94.7%            |
| SAU801181     | EFA202180       | 33%      | 93.4%          | 95.8%            |
| SAU801181     | EFM201754       | 33%      | 93.8%          | 96.3%            |
| SAU801181     | ECO100084       | 26%      | 76.7%          | 91.5%            |
| SAU801181     | HIN101106       | 26%      | 76.6%          | 87.0%            |
| SAU801181     | HPY101533       | 22%      | 75.8%          | 92.0%            |
| SAU801181     | KPN301849       | 26%      | 76.7%          | 91.5%            |
| SAU801181     | LPN102605       | 27%      | 65.5%          | 85.4%            |
| SAU801181     | LMO101211       | 37%      | 98.0%          | 97.7%            |
| SAU801181     | MCA100818       | 24%      | 77.4%          | 90.6%            |
| SAU801181     | MAV104019       | 25%      | 72.3%          | 82.2%            |
| SAU801181     | MBV101482       | 24%      | 76.5%          | 89.3%            |
| SAU801181     | MLP100563       | 25%      | 74.3%          | 84.7%            |
| SAU801181     | MTU202129       | 24%      | 76.5%          | 84.8%            |
| SAU801181     | NGO102402       | 27%      | 79.8%          | 97.7%            |
| SAU801181     | NME201914       | 27%      | 79.8%          | 96.0%            |
| SAU801181     | PMU100136       | 27%      | 73.3%          | 85.2%            |
| SAU801181     | PRT102628       | 26%      | 81.6%          | 98.8%            |
| SAU801181     | PAE202270       | 27%      | 72.0%          | 88.8%            |
| SAU801181     | PPU111736       | 26%      | 76.7%          | 92.8%            |
| SAU801181     | PSY103856       | 25%      | 76.7%          | 93.8%            |
| SAU801181     | SPA102753       | 25%      | 76.7%          | 92.1%            |
| SAU801181     | STY101764       | 27%      | 75.3%          | 90.7%            |
| SAU801181     | STM102862       | 26%      | 76.7%          | 91.5%            |
| SAU801181     | SAU801181       | 100%     | 100%           | 100%             |
| SAU801181     | SEP200896       | 80%      | 100%           | 95.9%            |
| SAU801181     | SHA101310       | 78%      | 95.0%          | 100%             |
| SAU801181     | SMU101453       | 32%      | 94.1%          | 96.5%            |
| SAU801181     | SPN400304       | 32%      | 93.8%          | 96.4%            |
| SAU801181     | SPY201281       | 30%      | 95.0%          | 96.8%            |
| SAU801181     | TPA100752       | 23%      | 84.5%          | 92.2%            |
| SAU801181     | VCH102372       | 25%      | 77.0%          | 94.3%            |
| SAU801181     | YPS000992       | 25%      | 76.7%          | 91.7%            |
| SAU801182     | ABA100933       | 39%      | 96.6%          | 90.3%            |
| SAU801182     | BAN106826       | 44%      | 98.8%          | 98.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801182     | BAN112016       | 54%      | 99.4%          | 97.8%            |
| SAU801182     | BFR103500       | 32%      | 88.5%          | 81.0%            |
| SAU801182     | BPT103007       | 39%      | 96.0%          | 90.2%            |
| SAU801182     | BBU100302       | 37%      | 96.6%          | 92.3%            |
| SAU801182     | BCE112929       | 44%      | 55.1%          | 93.0%            |
| SAU801182     | BFU100825       | 38%      | 96.6%          | 90.7%            |
| SAU801182     | BMA100546       | 41%      | 96.6%          | 90.7%            |
| SAU801182     | CJU100401       | 44%      | 96.3%          | 91.2%            |
| SAU801182     | CPN200949       | 34%      | 96.6%          | 92.3%            |
| SAU801182     | CTR200133       | 36%      | 96.6%          | 94.9%            |
| SAU801182     | CAC103184       | 45%      | 97.5%          | 97.5%            |
| SAU801182     | CBO103583       | 44%      | 97.2%          | 97.5%            |
| SAU801182     | CBO100702       | 50%      | 96.9%          | 97.2%            |
| SAU801182     | CDF103820       | 41%      | 96.9%          | 93.3%            |
| SAU801182     | CDP101276       | 38%      | 97.8%          | 95.4%            |
| SAU801182     | EBC102571       | 41%      | 97.5%          | 90.8%            |
| SAU801182     | EFA202177       | 51%      | 98.8%          | 97.8%            |
| SAU801182     | EFM200138       | 51%      | 99.1%          | 99.4%            |
| SAU801182     | ECO100087       | 41%      | 97.5%          | 90.8%            |
| SAU801182     | HIN101109       | 41%      | 96.6%          | 90%              |
| SAU801182     | HPY100488       | 38%      | 96.3%          | 90.7%            |
| SAU801182     | KPN301856       | 41%      | 97.5%          | 90.8%            |
| SAU801182     | LPN102792       | 42%      | 67.3%          | 97.5%            |
| SAU801182     | LMO102708       | 53%      | 96.9%          | 95.7%            |
| SAU801182     | MCA100821       | 38%      | 96.9%          | 93.2%            |
| SAU801182     | MAV103996       | 36%      | 98.1%          | 95.5%            |
| SAU801182     | MLP100566       | 37%      | 98.1%          | 95.5%            |
| SAU801182     | MTU202122       | 36%      | 98.1%          | 95.5%            |
| SAU801182     | NGO100597       | 41%      | 96.9%          | 90.6%            |
| SAU801182     | NME201910       | 42%      | 96.9%          | 90.6%            |
| SAU801182     | PMU100139       | 41%      | 96.6%          | 90%              |
| SAU801182     | PRT102641       | 44%      | 96.6%          | 90%              |
| SAU801182     | PAE204413       | 43%      | 96.6%          | 90%              |
| SAU801182     | PPU105952       | 43%      | 96.6%          | 90%              |
| SAU801182     | PSY103851       | 43%      | 96.6%          | 90%              |
| SAU801182     | SPA102756       | 41%      | 97.5%          | 92.9%            |
| SAU801182     | STY103173       | 41%      | 97.5%          | 90.8%            |
| SAU801182     | STM102884       | 42%      | 97.5%          | 90.8%            |
| SAU801182     | SAU801182       | 100%     | 100%           | 100%             |
| SAU801182     | SEP200897       | 87%      | 100%           | 100%             |
| SAU801182     | SHA101311       | 87%      | 100%           | 100%             |
| SAU801182     | SMU101454       | 40%      | 98.1%          | 97.3%            |
| SAU801182     | SPN400305       | 44%      | 97.5%          | 97.9%            |
| SAU801182     | SPY201280       | 40%      | 99.1%          | 98.2%            |
| SAU801182     | TPA100341       | 26%      | 84.4%          | 78.0%            |
| SAU801182     | VCH102369       | 42%      | 97.5%          | 90.8%            |
| SAU801182     | YPS000995       | 44%      | 97.5%          | 90.8%            |
| SAU801183     | ABA105049       | 29%      | 95.1%          | 96.4%            |
| SAU801183     | BAN101698       | 42%      | 96.4%          | 99.1%            |
| SAU801183     | BAN100427       | 50%      | 98.0%          | 98.7%            |
| SAU801183     | BFR11370        | 36%      | 95.5%          | 98.2%            |
| SAU801183     | BPT103005       | 27%      | 96.2%          | 95.5%            |
| SAU801183     | BBU100584       | 28%      | 96.2%          | 97.1%            |
| SAU801183     | BFU100814       | 26%      | 95.1%          | 94.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801183     | BMA102821       | 25%      | 95.1%          | 96.8%            |
| SAU801183     | CJU100400       | 25%      | 81.7%          | 84.6%            |
| SAU801183     | CPN200948       | 26%      | 95.5%          | 96.9%            |
| SAU801183     | CTR200134       | 27%      | 95.5%          | 92.8%            |
| SAU801183     | CAC103488       | 33%      | 96.7%          | 96.3%            |
| SAU801183     | CBO101756       | 33%      | 96.2%          | 96.1%            |
| SAU801183     | CDF104583       | 38%      | 96.2%          | 97.8%            |
| SAU801183     | CDP101273       | 27%      | 96.9%          | 94.8%            |
| SAU801183     | EBC102570       | 30%      | 97.6%          | 98.2%            |
| SAU801183     | EFA202176       | 50%      | 98.0%          | 97.8%            |
| SAU801183     | EFM201395       | 51%      | 96.4%          | 97.1%            |
| SAU801183     | ECO100088       | 31%      | 97.6%          | 98.2%            |
| SAU801183     | HIN101110       | 31%      | 96.0%          | 97.3%            |
| SAU801183     | HPY100489       | 26%      | 82.2%          | 85.8%            |
| SAU801183     | KPN300285       | 27%      | 19.2%          | 55.1%            |
| SAU801183     | KPN302061       | 27%      | 19.2%          | 26.5%            |
| SAU801183     | KPN300322       | 34%      | 37.9%          | 86.7%            |
| SAU801183     | KPN301854       | 31%      | 97.6%          | 98.2%            |
| SAU801183     | LPN102050       | 31%      | 93.3%          | 100%             |
| SAU801183     | LMO100907       | 48%      | 96.2%          | 95.8%            |
| SAU801183     | MCA103645       | 30%      | 97.8%          | 99.6%            |
| SAU801183     | MAV103995       | 30%      | 44.1%          | 76.8%            |
| SAU801183     | MBV100523       | 25%      | 96.4%          | 95.9%            |
| SAU801183     | MLP100567       | 25%      | 96.4%          | 97.3%            |
| SAU801183     | MTU202121       | 26%      | 96.4%          | 97.3%            |
| SAU801183     | NGO100590       | 30%      | 97.3%          | 99.1%            |
| SAU801183     | NME201908       | 30%      | 97.3%          | 99.1%            |
| SAU801183     | PMU100140       | 31%      | 96.7%          | 97.9%            |
| SAU801183     | PRT102639       | 32%      | 97.6%          | 98.2%            |
| SAU801183     | PAE204412       | 28%      | 94.9%          | 96.0%            |
| SAU801183     | PPU105951       | 29%      | 95.3%          | 96%              |
| SAU801183     | PSY103849       | 30%      | 80.8%          | 93.1%            |
| SAU801183     | SPA102757       | 28%      | 57.0%          | 71.5%            |
| SAU801183     | STY103174       | 29%      | 96.0%          | 97.3%            |
| SAU801183     | STM102886       | 29%      | 96.0%          | 97.3%            |
| SAU801183     | SAU801183       | 100%     | 100%           | 100%             |
| SAU801183     | SEP200898       | 89%      | 100%           | 100%             |
| SAU801183     | SHA101312       | 86%      | 59.9%          | 100%             |
| SAU801183     | SMU100079       | 47%      | 98.9%          | 99.1%            |
| SAU801183     | SPN400603       | 46%      | 96.4%          | 96.9%            |
| SAU801183     | SPY201174       | 47%      | 97.6%          | 97.6%            |
| SAU801183     | TPA100893       | 22%      | 97.3%          | 97.9%            |
| SAU801183     | VCH102368       | 28%      | 97.1%          | 92.5%            |
| SAU801183     | YPS001010       | 30%      | 97.6%          | 98.2%            |
| SAU801184     | BAN105429       | 30%      | 53.3%          | 89.3%            |
| SAU801184     | BAN113055       | 30%      | 56.3%          | 91.7%            |
| SAU801184     | BBU100300       | 25%      | 31.0%          | 56.3%            |
| SAU801184     | BMA101206       | 20%      | 24.4%          | 14.4%            |
| SAU801184     | CAC103429       | 21%      | 52.6%          | 94.8%            |
| SAU801184     | CBO101421       | 23%      | 55.8%          | 95.3%            |
| SAU801184     | CDF104368       | 28%      | 42.6%          | 81.3%            |
| SAU801184     | EFA202172       | 26%      | 76.8%          | 90.6%            |
| SAU801184     | EFM200367       | 26%      | 83.8%          | 89.2%            |
| SAU801184     | LMO101774       | 29%      | 60.8%          | 95.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801184     | NGO100580       | 21%      | 56.7%          | 96.7%            |
| SAU801184     | NME201903       | 21%      | 54.9%          | 96.7%            |
| SAU801184     | SAU801184       | 100%     | 100%           | 100%             |
| SAU801184     | SEP200899       | 51%      | 99.8%          | 96.1%            |
| SAU801184     | SHA100844       | 47%      | 83.8%          | 99.5%            |
| SAU801184     | SMU100083       | 21%      | 68.3%          | 84.0%            |
| SAU801184     | SPN400605       | 21%      | 97.7%          | 99.2%            |
| SAU801184     | SPY201172       | 23%      | 72.0%          | 86.1%            |
| SAU801184     | TPA100384       | 27%      | 23.7%          | 39.1%            |
| SAU801185     | ABA100623       | 24%      | 73.0%          | 82.1%            |
| SAU801185     | BAN111291       | 37%      | 77.4%          | 85.1%            |
| SAU801185     | BAN101900       | 37%      | 77.4%          | 84.3%            |
| SAU801185     | BFR102146       | 23%      | 98.9%          | 97.7%            |
| SAU801185     | BPT102984       | 28%      | 77.2%          | 90.4%            |
| SAU801185     | BBU100299       | 26%      | 77.9%          | 90.8%            |
| SAU801185     | BCE109663       | 28%      | 76.6%          | 89.3%            |
| SAU801185     | BFU100407       | 28%      | 76.6%          | 89.3%            |
| SAU801185     | BMA104126       | 28%      | 76.6%          | 89.3%            |
| SAU801185     | CJU100645       | 24%      | 88.1%          | 92.2%            |
| SAU801185     | CAC100288       | 22%      | 91.1%          | 98.1%            |
| SAU801185     | CBO102974       | 24%      | 85.5%          | 94.1%            |
| SAU801185     | EBC101798       | 25%      | 76.6%          | 89.2%            |
| SAU801185     | EFA202170       | 30%      | 78.7%          | 84.3%            |
| SAU801185     | EFM201888       | 29%      | 95.5%          | 96.8%            |
| SAU801185     | ECO100094       | 24%      | 76.6%          | 88.8%            |
| SAU801185     | HIN101116       | 28%      | 77.9%          | 89.4%            |
| SAU801185     | HPY100962       | 23%      | 76.6%          | 80.5%            |
| SAU801185     | KPN300531       | 25%      | 41.3%          | 84.9%            |
| SAU801185     | LPN103001       | 28%      | 71.3%          | 81.6%            |
| SAU801185     | LMO101001       | 34%      | 79.6%          | 88.0%            |
| SAU801185     | MCA100438       | 24%      | 72.3%          | 79.4%            |
| SAU801185     | NGO100578       | 28%      | 78.3%          | 90.6%            |
| SAU801185     | NME201902       | 28%      | 78.3%          | 90.6%            |
| SAU801185     | PMU100146       | 26%      | 77.9%          | 89.4%            |
| SAU801185     | PRT102629       | 25%      | 73.0%          | 84.0%            |
| SAU801185     | PAE204406       | 28%      | 76.6%          | 87.8%            |
| SAU801185     | PPU111774       | 26%      | 76.8%          | 89.1%            |
| SAU801185     | PSY103837       | 26%      | 76.6%          | 89.3%            |
| SAU801185     | SPA101844       | 25%      | 76.6%          | 88.7%            |
| SAU801185     | STY103209       | 25%      | 76.6%          | 88.8%            |
| SAU801185     | STM102892       | 25%      | 76.6%          | 88.8%            |
| SAU801185     | SAU801185       | 100%     | 100%           | 100%             |
| SAU801185     | SEP200915       | 86%      | 100%           | 100%             |
| SAU801185     | SHA100845       | 78%      | 100%           | 100%             |
| SAU801185     | SMU100084       | 30%      | 93.4%          | 95.8%            |
| SAU801185     | SPN401510       | 34%      | 77.0%          | 79.2%            |
| SAU801185     | SPY201171       | 30%      | 85.5%          | 91.2%            |
| SAU801185     | TPA100385       | 24%      | 76.6%          | 90.3%            |
| SAU801185     | VCH102363       | 25%      | 77.9%          | 90.2%            |
| SAU801185     | YPS001022       | 26%      | 76.6%          | 89.2%            |
| SAU801186     | ABA100622       | 48%      | 96.2%          | 96.4%            |
| SAU801186     | BAN103024       | 66%      | 98.2%          | 100%             |
| SAU801186     | BAN112439       | 68%      | 98.2%          | 100%             |
| SAU801186     | BFR12421        | 47%      | 77.4%          | 69.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801186     | BPT102981       | 41%      | 99.7%          | 94.7%            |
| SAU801186     | BBU100298       | 52%      | 95.4%          | 92.8%            |
| SAU801186     | BCE103310       | 54%      | 70%            | 94.1%            |
| SAU801186     | BFU100408       | 53%      | 77.2%          | 75.1%            |
| SAU801186     | BMA104500       | 44%      | 94.6%          | 96.5%            |
| SAU801186     | CJU100646       | 48%      | 81.0%          | 85.7%            |
| SAU801186     | CAC100838       | 59%      | 98.5%          | 99.7%            |
| SAU801186     | CBO103263       | 59%      | 97.9%          | 100%             |
| SAU801186     | CDF102447       | 57%      | 97.4%          | 97.5%            |
| SAU801186     | CDP101254       | 53%      | 97.9%          | 92.5%            |
| SAU801186     | EBC101797       | 57%      | 38.2%          | 91.4%            |
| SAU801186     | EFA202168       | 69%      | 80.3%          | 76.3%            |
| SAU801186     | EFM200220       | 68%      | 80.3%          | 75.8%            |
| SAU801186     | ECO100095       | 52%      | 79.0%          | 81.2%            |
| SAU801186     | HIN101117       | 46%      | 78.5%          | 78.1%            |
| SAU801186     | HPY100963       | 39%      | 95.1%          | 93.0%            |
| SAU801186     | KPN300530       | 58%      | 38.5%          | 93.8%            |
| SAU801186     | LPN100473       | 51%      | 7.9%           | 76.9%            |
| SAU801186     | LMO101235       | 68%      | 98.2%          | 99.7%            |
| SAU801186     | MCA101528       | 50%      | 79.7%          | 87.1%            |
| SAU801186     | MAV103265       | 55%      | 94.9%          | 98.2%            |
| SAU801186     | MBV100533       | 54%      | 94.9%          | 98.4%            |
| SAU801186     | MLP100572       | 53%      | 94.9%          | 98.4%            |
| SAU801186     | MTU202116       | 54%      | 94.9%          | 98.4%            |
| SAU801186     | MGE100229       | 28%      | 73.6%          | 81.6%            |
| SAU801186     | MPN100519       | 30%      | 54.4%          | 54.7%            |
| SAU801186     | NGO100577       | 53%      | 78.7%          | 79.1%            |
| SAU801186     | NME201901       | 50%      | 85.9%          | 84.2%            |
| SAU801186     | PMU100147       | 46%      | 81.0%          | 78.1%            |
| SAU801186     | PRT102627       | 56%      | 44.1%          | 92.0%            |
| SAU801186     | PAE204405       | 45%      | 97.9%          | 100%             |
| SAU801186     | PPU105993       | 52%      | 80.5%          | 79.1%            |
| SAU801186     | PSY103835       | 52%      | 81.5%          | 80.8%            |
| SAU801186     | SPA100031       | 45%      | 49.5%          | 74.3%            |
| SAU801186     | STY103211       | 52%      | 79.0%          | 81.2%            |
| SAU801186     | STM102893       | 52%      | 79.0%          | 81.2%            |
| SAU801186     | SAU801186       | 100%     | 100%           | 100%             |
| SAU801186     | SEP200917       | 92%      | 100%           | 100%             |
| SAU801186     | SHA100846       | 92%      | 100%           | 100%             |
| SAU801186     | SMU100085       | 64%      | 77.7%          | 69.8%            |
| SAU801186     | SPN401509       | 65%      | 77.7%          | 72.3%            |
| SAU801186     | SPY201170       | 65%      | 77.7%          | 69.0%            |
| SAU801186     | TPA100386       | 48%      | 94.6%          | 95.0%            |
| SAU801186     | VCH102362       | 52%      | 78.7%          | 77.4%            |
| SAU801186     | YPS001023       | 45%      | 95.1%          | 97.4%            |
| SAU801188     | ABA100699       | 33%      | 99.1%          | 96.5%            |
| SAU801188     | BAN102298       | 60%      | 86.6%          | 97%              |
| SAU801188     | BAN105813       | 55%      | 99.1%          | 99.6%            |
| SAU801188     | BFR10478        | 35%      | 99.1%          | 98.6%            |
| SAU801188     | BPT100358       | 38%      | 86.2%          | 73.1%            |
| SAU801188     | BCE102004       | 36%      | 87.5%          | 85.8%            |
| SAU801188     | BFU102631       | 35%      | 97.8%          | 96.1%            |
| SAU801188     | CJU100669       | 30%      | 85.3%          | 91.0%            |
| SAU801188     | CAC102293       | 35%      | 93.8%          | 95.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801188     | CBO100252       | 32%      | 99.1%          | 97.3%            |
| SAU801188     | CDF104041       | 44%      | 98.2%          | 94.9%            |
| SAU801188     | CDP100613       | 40%      | 85.3%          | 85.1%            |
| SAU801188     | EBC103402       | 31%      | 99.1%          | 97.4%            |
| SAU801188     | EFA202166       | 49%      | 96.9%          | 97.8%            |
| SAU801188     | EFM200029       | 45%      | 98.7%          | 99.6%            |
| SAU801188     | ECO102886       | 31%      | 99.1%          | 97.0%            |
| SAU801188     | HIN100089       | 30%      | 98.7%          | 95.8%            |
| SAU801188     | HPY100391       | 32%      | 86.6%          | 86.9%            |
| SAU801188     | KPN302105       | 33%      | 99.1%          | 97.4%            |
| SAU801188     | LPN100888       | 34%      | 100%           | 98.3%            |
| SAU801188     | LMO101181       | 49%      | 99.6%          | 98.3%            |
| SAU801188     | MCA100523       | 27%      | 97.3%          | 91.5%            |
| SAU801188     | MAV103261       | 27%      | 66.1%          | 59.0%            |
| SAU801188     | MBV100535       | 26%      | 86.2%          | 79.5%            |
| SAU801188     | MLP100574       | 31%      | 66.1%          | 59.2%            |
| SAU801188     | MTU202114       | 26%      | 86.2%          | 81.4%            |
| SAU801188     | NGO101964       | 33%      | 87.1%          | 86.4%            |
| SAU801188     | NME200206       | 34%      | 87.1%          | 86.4%            |
| SAU801188     | PMU100112       | 31%      | 100%           | 98.7%            |
| SAU801188     | PRT105809       | 30%      | 99.1%          | 97.0%            |
| SAU801188     | PAE200393       | 34%      | 99.1%          | 96.1%            |
| SAU801188     | PPU102082       | 35%      | 98.2%          | 96.1%            |
| SAU801188     | PSY103724       | 36%      | 87.5%          | 85.1%            |
| SAU801188     | SPA102546       | 30%      | 89.7%          | 91.8%            |
| SAU801188     | STY104582       | 31%      | 99.1%          | 94.0%            |
| SAU801188     | STM100599       | 31%      | 99.1%          | 94.0%            |
| SAU801188     | SAU801188       | 100%     | 100%           | 100%             |
| SAU801188     | SEP200921       | 74%      | 99.1%          | 100%             |
| SAU801188     | SHA100042       | 66%      | 42.9%          | 100%             |
| SAU801188     | SMU100094       | 47%      | 96.9%          | 98.2%            |
| SAU801188     | SPN401508       | 47%      | 96.9%          | 98.2%            |
| SAU801188     | SPY201169       | 51%      | 87.5%          | 88.3%            |
| SAU801188     | VCH100456       | 33%      | 99.1%          | 96.6%            |
| SAU801188     | YPS000235       | 28%      | 97.8%          | 95.7%            |
| SAU801189     | BAN107825       | 43%      | 66.3%          | 84.2%            |
| SAU801189     | BAN111609       | 43%      | 66.3%          | 82.1%            |
| SAU801189     | CAC101019       | 26%      | 60.4%          | 72.0%            |
| SAU801189     | CBO102919       | 29%      | 67.4%          | 78.7%            |
| SAU801189     | CDF103744       | 31%      | 62.6%          | 71.1%            |
| SAU801189     | CDP101251       | 26%      | 38.0%          | 47.7%            |
| SAU801189     | EFA205207       | 33%      | 94.7%          | 95.8%            |
| SAU801189     | EFM202104       | 31%      | 87.7%          | 88.9%            |
| SAU801189     | LMO100809       | 43%      | 94.7%          | 96.7%            |
| SAU801189     | MAV103259       | 25%      | 55.1%          | 49.5%            |
| SAU801189     | MBV100536       | 24%      | 58.3%          | 46.5%            |
| SAU801189     | MLP100575       | 25%      | 55.1%          | 50.5%            |
| SAU801189     | MTU202113       | 24%      | 58.3%          | 46.5%            |
| SAU801189     | SAU801189       | 100%     | 100%           | 100%             |
| SAU801189     | SEP200923       | 71%      | 98.4%          | 100%             |
| SAU801189     | SHA100165       | 64%      | 97.9%          | 97.5%            |
| SAU801189     | SMU100097       | 29%      | 89.8%          | 88.0%            |
| SAU801189     | SPN401507       | 22%      | 89.8%          | 85.5%            |
| SAU801189     | SPY201168       | 28%      | 76.5%          | 63.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801192     | BAN105377       | 36%      | 78.5%          | 95.8%            |
| SAU801192     | BAN104329       | 36%      | 78.5%          | 95.8%            |
| SAU801192     | CAC103030       | 27%      | 98.5%          | 95.6%            |
| SAU801192     | CBO103567       | 25%      | 76.1%          | 70.3%            |
| SAU801192     | CDF101598       | 26%      | 78.5%          | 98.9%            |
| SAU801192     | EFA202162       | 27%      | 100%           | 93.6%            |
| SAU801192     | EFM200763       | 26%      | 92.7%          | 93.6%            |
| SAU801192     | LMO101008       | 42%      | 78.5%          | 92%              |
| SAU801192     | MAV103271       | 25%      | 69.8%          | 90%              |
| SAU801192     | MBV100524       | 25%      | 69.8%          | 90%              |
| SAU801192     | MTU202111       | 25%      | 69.8%          | 90%              |
| SAU801192     | SAU801192       | 100%     | 100%           | 100%             |
| SAU801192     | SEP200927       | 77%      | 98.5%          | 94.0%            |
| SAU801192     | SHA101033       | 70%      | 99.0%          | 89.6%            |
| SAU801192     | SMU100106       | 31%      | 74.1%          | 60.1%            |
| SAU801192     | SPN401504       | 31%      | 74.1%          | 61.3%            |
| SAU801192     | SPY201165       | 27%      | 95.6%          | 83.7%            |
| SAU801192     | UUR100397       | 33%      | 31.2%          | 77.8%            |
| SAU801193     | ABA103852       | 41%      | 99.0%          | 98.5%            |
| SAU801193     | BAN106248       | 53%      | 97.1%          | 100%             |
| SAU801193     | BAN106209       | 62%      | 87.2%          | 99.4%            |
| SAU801193     | BFR10500        | 26%      | 84.1%          | 80.7%            |
| SAU801193     | BPT100432       | 40%      | 99.1%          | 98.5%            |
| SAU801193     | BBU100832       | 27%      | 94.8%          | 81.7%            |
| SAU801193     | BCE111670       | 40%      | 93.5%          | 94.2%            |
| SAU801193     | BFU101230       | 41%      | 97.9%          | 96.4%            |
| SAU801193     | BMA102496       | 35%      | 99.5%          | 95.1%            |
| SAU801193     | BMA109115       | 40%      | 97.9%          | 96.4%            |
| SAU801193     | CJU100989       | 38%      | 99.9%          | 99.8%            |
| SAU801193     | CPN200653       | 28%      | 90.8%          | 80.3%            |
| SAU801193     | CTR200283       | 30%      | 85.9%          | 76.6%            |
| SAU801193     | CAC102765       | 32%      | 84.3%          | 75.2%            |
| SAU801193     | CBO100873       | 33%      | 55.7%          | 96.6%            |
| SAU801193     | CDF104554       | 32%      | 85.2%          | 76.0%            |
| SAU801193     | CDP101247       | 29%      | 88.0%          | 77.9%            |
| SAU801193     | EBC102151       | 41%      | 98.9%          | 100%             |
| SAU801193     | EFA202160       | 61%      | 99.7%          | 98.7%            |
| SAU801193     | EFM201425       | 60%      | 99.7%          | 98.5%            |
| SAU801193     | ECO100026       | 42%      | 99.0%          | 98.3%            |
| SAU801193     | HPY101401       | 37%      | 99.6%          | 99.6%            |
| SAU801193     | KPN300290       | 52%      | 4.8%           | 100%             |
| SAU801193     | KPN306610       | 42%      | 97.5%          | 98.5%            |
| SAU801193     | LPN101832       | 44%      | 99.0%          | 98.3%            |
| SAU801193     | LMO101679       | 61%      | 99.6%          | 99.3%            |
| SAU801193     | MCA103671       | 39%      | 4.4%           | 19.2%            |
| SAU801193     | MAV103388       | 28%      | 92.6%          | 81.0%            |
| SAU801193     | MBV102555       | 28%      | 83.5%          | 75.3%            |
| SAU801193     | MLP100743       | 26%      | 93.3%          | 83.8%            |
| SAU801193     | MTU201515       | 28%      | 83.5%          | 75.3%            |
| SAU801193     | MGE100354       | 37%      | 99.5%          | 99.9%            |
| SAU801193     | MPN100322       | 38%      | 90.6%          | 96.1%            |
| SAU801193     | NGO101799       | 42%      | 99.5%          | 99.0%            |
| SAU801193     | NME200578       | 42%      | 99.5%          | 98.7%            |
| SAU801193     | PMU101662       | 43%      | 99.6%          | 98.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801193     | PRT101657       | 43%      | 99.0%          | 98.3%            |
| SAU801193     | PAE204558       | 41%      | 99.0%          | 98.3%            |
| SAU801193     | PPU109898       | 41%      | 99.0%          | 98.3%            |
| SAU801193     | PSY102684       | 41%      | 97.5%          | 98.5%            |
| SAU801193     | SPA100667       | 41%      | 82.4%          | 97.7%            |
| SAU801193     | STY101103       | 42%      | 99.0%          | 98.3%            |
| SAU801193     | STM100818       | 42%      | 99.0%          | 98.3%            |
| SAU801193     | SAU801193       | 100%     | 100%           | 100%             |
| SAU801193     | SEP200928       | 88%      | 100%           | 99.7%            |
| SAU801193     | SHA101034       | 88%      | 99.5%          | 100%             |
| SAU801193     | SMU100109       | 55%      | 99.8%          | 98.6%            |
| SAU801193     | SPN401501       | 54%      | 99.7%          | 98.5%            |
| SAU801193     | SPY201164       | 56%      | 96.8%          | 95.5%            |
| SAU801193     | TPA100448       | 25%      | 95.0%          | 83.2%            |
| SAU801193     | UUR100414       | 41%      | 99.6%          | 99.8%            |
| SAU801193     | VCH100669       | 43%      | 99.0%          | 98.3%            |
| SAU801193     | YPS000810       | 43%      | 99.0%          | 98.3%            |
| SAU801201     | ABA104096       | 29%      | 96.5%          | 98.1%            |
| SAU801201     | BAN105008       | 50%      | 98.8%          | 100%             |
| SAU801201     | BAN109895       | 63%      | 98.8%          | 97.9%            |
| SAU801201     | BFR103702       | 27%      | 98.1%          | 91.5%            |
| SAU801201     | BPT102422       | 26%      | 89.6%          | 98.2%            |
| SAU801201     | BCE103736       | 32%      | 98.6%          | 98.6%            |
| SAU801201     | BFU104929       | 32%      | 96.5%          | 96.0%            |
| SAU801201     | BMA105735       | 32%      | 98.6%          | 98.6%            |
| SAU801201     | CJU101120       | 26%      | 89.9%          | 91.8%            |
| SAU801201     | CAC103721       | 40%      | 99.3%          | 99.5%            |
| SAU801201     | CBO101305       | 31%      | 97.6%          | 97.2%            |
| SAU801201     | CDF100578       | 42%      | 99.1%          | 99.5%            |
| SAU801201     | CDP100341       | 37%      | 98.1%          | 92.9%            |
| SAU801201     | EBC104972       | 38%      | 11.1%          | 9.6%             |
| SAU801201     | EFA201088       | 56%      | 97.6%          | 97.2%            |
| SAU801201     | EFM200431       | 59%      | 98.8%          | 98.6%            |
| SAU801201     | ECO100503       | 29%      | 98.8%          | 94.7%            |
| SAU801201     | HPY100262       | 23%      | 98.6%          | 97.4%            |
| SAU801201     | KPN307585       | 38%      | 13.7%          | 12.3%            |
| SAU801201     | LPN103194       | 34%      | 13.9%          | 15.3%            |
| SAU801201     | LMO102149       | 64%      | 99.8%          | 99.5%            |
| SAU801201     | MCA100879       | 28%      | 90.1%          | 94.2%            |
| SAU801201     | MAV103353       | 37%      | 95.8%          | 95.3%            |
| SAU801201     | MBV100044       | 34%      | 71.5%          | 96.8%            |
| SAU801201     | MLP100325       | 37%      | 97.2%          | 96.7%            |
| SAU801201     | MTU201364       | 38%      | 95.8%          | 95.3%            |
| SAU801201     | NGO100980       | 31%      | 26.4%          | 32.3%            |
| SAU801201     | NME200819       | 27%      | 67.5%          | 79.4%            |
| SAU801201     | PAE200400       | 32%      | 96.0%          | 95.7%            |
| SAU801201     | PPU109222       | 33%      | 95.8%          | 95.5%            |
| SAU801201     | PSY103720       | 32%      | 95.5%          | 95.3%            |
| SAU801201     | SPA103882       | 30%      | 98.8%          | 94.7%            |
| SAU801201     | STY100935       | 30%      | 98.8%          | 94.7%            |
| SAU801201     | STM100648       | 30%      | 98.8%          | 94.7%            |
| SAU801201     | SAU801201       | 100%     | 100%           | 100%             |
| SAU801201     | SEP201466       | 78%      | 100%           | 100%             |
| SAU801201     | SHA102128       | 83%      | 100%           | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801201     | SMU101043       | 41%      | 99.3%          | 99.8%            |
| SAU801201     | SPN401053       | 42%      | 99.3%          | 99.8%            |
| SAU801201     | SPY200678       | 42%      | 99.1%          | 99.5%            |
| SAU801201     | VCH103644       | 24%      | 65.6%          | 74.6%            |
| SAU801205     | ABA100625       | 27%      | 80.8%          | 80.6%            |
| SAU801205     | BAN108573       | 50%      | 98.0%          | 99.0%            |
| SAU801205     | BAN110842       | 60%      | 100%           | 96.7%            |
| SAU801205     | BFR12198        | 48%      | 97.5%          | 93.4%            |
| SAU801205     | BCE100693       | 33%      | 92.1%          | 72.5%            |
| SAU801205     | BFU101074       | 32%      | 87.2%          | 78.9%            |
| SAU801205     | BMA106142       | 38%      | 57.6%          | 91.5%            |
| SAU801205     | BMA105198       | 32%      | 92.1%          | 83.3%            |
| SAU801205     | CJU100206       | 24%      | 73.4%          | 76.7%            |
| SAU801205     | CPN200137       | 24%      | 82.3%          | 79.0%            |
| SAU801205     | CAC100649       | 31%      | 41.4%          | 41.1%            |
| SAU801205     | CDP101383       | 34%      | 66.5%          | 76.3%            |
| SAU801205     | EBC103731       | 26%      | 41.4%          | 41.8%            |
| SAU801205     | EFA201101       | 60%      | 98.0%          | 94.8%            |
| SAU801205     | EFM202393       | 57%      | 97.0%          | 94.3%            |
| SAU801205     | ECO103564       | 28%      | 41.4%          | 41.8%            |
| SAU801205     | HPY101240       | 24%      | 73.4%          | 77.1%            |
| SAU801205     | KPN204506       | 28%      | 41.4%          | 41.8%            |
| SAU801205     | LPN102097       | 26%      | 66.5%          | 67.6%            |
| SAU801205     | LMO102924       | 59%      | 98.0%          | 95.2%            |
| SAU801205     | MCA101253       | 26%      | 77.3%          | 87.1%            |
| SAU801205     | MAV102308       | 36%      | 62.1%          | 69.2%            |
| SAU801205     | MBV100426       | 34%      | 62.1%          | 70.4%            |
| SAU801205     | MLP101478       | 30%      | 77.8%          | 88.3%            |
| SAU801205     | MTU200381       | 34%      | 62.1%          | 70.4%            |
| SAU801205     | PMU101877       | 27%      | 41.4%          | 41.6%            |
| SAU801205     | PRT105176       | 31%      | 44.8%          | 44.4%            |
| SAU801205     | PAE205326       | 31%      | 41.4%          | 41.8%            |
| SAU801205     | SPA102548       | 27%      | 41.4%          | 41.8%            |
| SAU801205     | STY104543       | 27%      | 41.4%          | 41.8%            |
| SAU801205     | SAU801205       | 100%     | 100%           | 100%             |
| SAU801205     | SEP201475       | 81%      | 100%           | 100%             |
| SAU801205     | SHA102132       | 83%      | 99.5%          | 100%             |
| SAU801205     | SMU101057       | 56%      | 99.0%          | 96.2%            |
| SAU801205     | SPN400614       | 56%      | 99.0%          | 95.7%            |
| SAU801205     | SPY200673       | 55%      | 99.0%          | 96.2%            |
| SAU801205     | VCH100209       | 30%      | 41.4%          | 41.6%            |
| SAU801205     | YPS001414       | 27%      | 41.4%          | 41.4%            |
| SAU801208     | BAN107106       | 41%      | 99.6%          | 100%             |
| SAU801208     | BAN106675       | 46%      | 99.6%          | 99.8%            |
| SAU801208     | BBU100346       | 29%      | 18.4%          | 4.6%             |
| SAU801208     | CJU101273       | 27%      | 9.2%           | 35.6%            |
| SAU801208     | CAC101472       | 38%      | 98.1%          | 99.1%            |
| SAU801208     | CBO100220       | 37%      | 98.1%          | 98.6%            |
| SAU801208     | CDF100071       | 37%      | 35.9%          | 97.7%            |
| SAU801208     | CDF102341       | 38%      | 99.6%          | 99.3%            |
| SAU801208     | EFA200648       | 40%      | 99.8%          | 98.9%            |
| SAU801208     | EFM200633       | 39%      | 99.8%          | 99.6%            |
| SAU801208     | ECO203135       | 25%      | 15.6%          | 27.8%            |
| SAU801208     | HPY101372       | 24%      | 51.9%          | 63.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801208     | LMO100988       | 42%      | 99.6%          | 99.8%            |
| SAU801208     | MAV104086       | 25%      | 18.1%          | 27.2%            |
| SAU801208     | PMU101771       | 26%      | 19.5%          | 30.8%            |
| SAU801208     | SAU801208       | 100%     | 100%           | 100%             |
| SAU801208     | SEP201479       | 82%      | 99.8%          | 99.8%            |
| SAU801208     | SHA102135       | 81%      | 99.6%          | 99.6%            |
| SAU801208     | SMU100348       | 40%      | 99.6%          | 99.8%            |
| SAU801208     | SPN400868       | 39%      | 99.8%          | 98.2%            |
| SAU801208     | SPY200766       | 40%      | 99.6%          | 99.6%            |
| SAU801220     | BAN103092       | 26%      | 38.9%          | 98.9%            |
| SAU801220     | BAN112197       | 26%      | 99.5%          | 99.7%            |
| SAU801220     | BAN100271       | 34%      | 99.5%          | 99.4%            |
| SAU801220     | BFR100304       | 33%      | 33.6%          | 84.4%            |
| SAU801220     | BCE114461       | 33%      | 32.1%          | 62.7%            |
| SAU801220     | BFU114300       | 30%      | 31.3%          | 31.3%            |
| SAU801220     | BMA103072       | 32%      | 39.5%          | 96.8%            |
| SAU801220     | CPN200667       | 31%      | 39.8%          | 31.1%            |
| SAU801220     | CTR200567       | 27%      | 39.2%          | 31.2%            |
| SAU801220     | CAC102901       | 33%      | 86.6%          | 87.8%            |
| SAU801220     | CBO101331       | 33%      | 93.5%          | 93.2%            |
| SAU801220     | CDF103395       | 33%      | 66.3%          | 80.7%            |
| SAU801220     | CDP101333       | 29%      | 80.3%          | 90.8%            |
| SAU801220     | EBC104702       | 35%      | 22.9%          | 9.6%             |
| SAU801220     | EFA201561       | 35%      | 70.3%          | 92.2%            |
| SAU801220     | EFM201980       | 38%      | 66.6%          | 92.9%            |
| SAU801220     | ECO201271       | 26%      | 38.0%          | 72.1%            |
| SAU801220     | KPN303489       | 27%      | 39.2%          | 53.4%            |
| SAU801220     | LPN102115       | 24%      | 28.5%          | 18.7%            |
| SAU801220     | LMO100883       | 37%      | 99.5%          | 99.5%            |
| SAU801220     | MAV103512       | 31%      | 86.3%          | 88.5%            |
| SAU801220     | MBV103463       | 37%      | 9.3%           | 89.9%            |
| SAU801220     | MBV106232       | 30%      | 69.4%          | 92.0%            |
| SAU801220     | MLP100014       | 31%      | 69.4%          | 92.0%            |
| SAU801220     | MTU200014       | 30%      | 69.4%          | 92.0%            |
| SAU801220     | MGE100111       | 29%      | 37.2%          | 79.6%            |
| SAU801220     | MPN100584       | 28%      | 42.3%          | 84.6%            |
| SAU801220     | PAE200074       | 31%      | 46.5%          | 28.0%            |
| SAU801220     | PPU101810       | 29%      | 30.7%          | 33.1%            |
| SAU801220     | PSY105556       | 30%      | 33.3%          | 56.9%            |
| SAU801220     | STY104340       | 28%      | 38.4%          | 75.1%            |
| SAU801220     | SAU801220       | 100%     | 100%           | 100%             |
| SAU801220     | SEP201501       | 67%      | 99.7%          | 99.8%            |
| SAU801220     | SHA102145       | 59%      | 99.5%          | 100%             |
| SAU801220     | SMU101509       | 31%      | 88.7%          | 97.1%            |
| SAU801220     | SPN401575       | 34%      | 92.8%          | 71.6%            |
| SAU801220     | SPY201251       | 33%      | 85.4%          | 89.4%            |
| SAU801220     | TPA100304       | 21%      | 17.3%          | 33.9%            |
| SAU801220     | UUR100217       | 27%      | 42.6%          | 84.2%            |
| SAU801230     | ABA100558       | 42%      | 96.1%          | 90.5%            |
| SAU801230     | BAN107404       | 34%      | 97.4%          | 96.9%            |
| SAU801230     | BAN106364       | 46%      | 98.1%          | 96.8%            |
| SAU801230     | BFR11476        | 42%      | 94.5%          | 99.0%            |
| SAU801230     | BPT102620       | 40%      | 93.5%          | 92.9%            |
| SAU801230     | BCE103323       | 39%      | 95.1%          | 91.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801230     | BFU100683       | 39%      | 95.1%          | 94.5%            |
| SAU801230     | BMA100069       | 40%      | 95.1%          | 94.8%            |
| SAU801230     | CJU100105       | 37%      | 91.6%          | 92.2%            |
| SAU801230     | CPN200455       | 36%      | 96.8%          | 96.4%            |
| SAU801230     | CTR200502       | 37%      | 98.7%          | 98.4%            |
| SAU801230     | CAC103563       | 44%      | 97.7%          | 98.4%            |
| SAU801230     | CBO101300       | 43%      | 97.7%          | 95.0%            |
| SAU801230     | CDF101771       | 44%      | 99.4%          | 96.8%            |
| SAU801230     | EBC100252       | 43%      | 66.6%          | 85.4%            |
| SAU801230     | EFA200242       | 39%      | 95.5%          | 94.8%            |
| SAU801230     | EFM200686       | 39%      | 95.5%          | 95.7%            |
| SAU801230     | ECO101065       | 40%      | 92.9%          | 93.2%            |
| SAU801230     | HIN100149       | 39%      | 99.0%          | 97.8%            |
| SAU801230     | HPY100088       | 30%      | 98.1%          | 96.1%            |
| SAU801230     | KPN300448       | 42%      | 48.7%          | 87.6%            |
| SAU801230     | KPN300815       | 39%      | 92.9%          | 93.5%            |
| SAU801230     | LPN103175       | 37%      | 95.8%          | 94.6%            |
| SAU801230     | LMO101375       | 48%      | 98.1%          | 97.1%            |
| SAU801230     | MCA100612       | 35%      | 97.1%          | 96.6%            |
| SAU801230     | MAV102169       | 32%      | 96.1%          | 28.5%            |
| SAU801230     | MBV105147       | 34%      | 92.5%          | 15.6%            |
| SAU801230     | MLP100101       | 34%      | 92.5%          | 13.4%            |
| SAU801230     | MTU202908       | 34%      | 92.5%          | 17.4%            |
| SAU801230     | NGO101393       | 38%      | 92.2%          | 92.5%            |
| SAU801230     | NME200497       | 37%      | 98.1%          | 98.4%            |
| SAU801230     | PMU101915       | 38%      | 99.4%          | 99.0%            |
| SAU801230     | PRT100032       | 36%      | 100%           | 100%             |
| SAU801230     | PAE202966       | 38%      | 95.8%          | 95.2%            |
| SAU801230     | PPU104834       | 41%      | 96.4%          | 82.1%            |
| SAU801230     | PSY101698       | 38%      | 95.1%          | 94.6%            |
| SAU801230     | SPA100960       | 39%      | 92.9%          | 93.2%            |
| SAU801230     | STY102531       | 40%      | 92.9%          | 93.2%            |
| SAU801230     | STM102720       | 40%      | 92.9%          | 93.2%            |
| SAU801230     | SAU801230       | 100%     | 100%           | 100%             |
| SAU801230     | SEP201521       | 78%      | 99.7%          | 98.4%            |
| SAU801230     | SHA101737       | 80%      | 100%           | 98.7%            |
| SAU801230     | SMU100543       | 42%      | 99.7%          | 100%             |
| SAU801230     | SPN400380       | 40%      | 96.1%          | 96.4%            |
| SAU801230     | SPY201349       | 39%      | 98.1%          | 96.5%            |
| SAU801230     | VCH101992       | 39%      | 98.1%          | 98.4%            |
| SAU801230     | YPS003126       | 39%      | 92.9%          | 93.2%            |
| SAU801231     | ABA100557       | 50%      | 98.4%          | 97.5%            |
| SAU801231     | BAN107352       | 49%      | 96.7%          | 96.8%            |
| SAU801231     | BAN101218       | 64%      | 98.4%          | 98.4%            |
| SAU801231     | BFR10719        | 52%      | 98.4%          | 97.6%            |
| SAU801231     | BPT102619       | 53%      | 98.4%          | 95.6%            |
| SAU801231     | BCE112767       | 56%      | 97.6%          | 96.0%            |
| SAU801231     | BFU100684       | 56%      | 97.6%          | 96.0%            |
| SAU801231     | BMA106290       | 55%      | 97.6%          | 96.0%            |
| SAU801231     | CJU100403       | 46%      | 98.4%          | 98.0%            |
| SAU801231     | CPN200456       | 43%      | 97.6%          | 96.4%            |
| SAU801231     | CTR200501       | 47%      | 98.4%          | 97.6%            |
| SAU801231     | CAC102747       | 32%      | 99.2%          | 91.6%            |
| SAU801231     | CAC100570       | 55%      | 98.4%          | 97.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801231     | CBO102327       | 55%      | 97.6%          | 95.2%            |
| SAU801231     | CDF101772       | 56%      | 97.6%          | 96.4%            |
| SAU801231     | CDP101282       | 34%      | 72.8%          | 62.8%            |
| SAU801231     | EBC100251       | 62%      | 66.7%          | 99.4%            |
| SAU801231     | EFA200243       | 51%      | 100%           | 99.2%            |
| SAU801231     | EFM201914       | 52%      | 98.4%          | 97.1%            |
| SAU801231     | ECO101066       | 55%      | 98.4%          | 97.5%            |
| SAU801231     | HIN100148       | 52%      | 98.4%          | 98.3%            |
| SAU801231     | HPY100554       | 43%      | 98.4%          | 98.0%            |
| SAU801231     | KPN300814       | 54%      | 98.4%          | 97.5%            |
| SAU801231     | LPN103118       | 51%      | 98.4%          | 97.2%            |
| SAU801231     | LMO102009       | 62%      | 98.4%          | 98.0%            |
| SAU801231     | MCA101812       | 48%      | 82.9%          | 93.1%            |
| SAU801231     | MAV103538       | 40%      | 98.4%          | 90.2%            |
| SAU801231     | MBV105473       | 41%      | 98.4%          | 97.2%            |
| SAU801231     | MLP101100       | 45%      | 99.2%          | 91.7%            |
| SAU801231     | MTU201333       | 41%      | 98.4%          | 97.2%            |
| SAU801231     | NGO101381       | 54%      | 98.4%          | 96.4%            |
| SAU801231     | NME200494       | 55%      | 98.4%          | 96.4%            |
| SAU801231     | PMU101916       | 52%      | 98.0%          | 97.9%            |
| SAU801231     | PRT100071       | 55%      | 98.4%          | 97.5%            |
| SAU801231     | PAE202965       | 51%      | 98.4%          | 97.6%            |
| SAU801231     | PPU101751       | 52%      | 98.4%          | 98.0%            |
| SAU801231     | PSY108154       | 50%      | 98.4%          | 97.6%            |
| SAU801231     | SPA100959       | 53%      | 98.4%          | 97.5%            |
| SAU801231     | STY102532       | 54%      | 98.4%          | 97.5%            |
| SAU801231     | STM102721       | 54%      | 98.4%          | 97.5%            |
| SAU801231     | SAU801231       | 100%     | 100%           | 100%             |
| SAU801231     | SEP200094       | 37%      | 99.2%          | 99.6%            |
| SAU801231     | SEP201523       | 92%      | 99.2%          | 100%             |
| SAU801231     | SHA101738       | 90%      | 98.4%          | 98.8%            |
| SAU801231     | SMU100541       | 46%      | 98.4%          | 97.5%            |
| SAU801231     | SPN400381       | 47%      | 98.4%          | 97.9%            |
| SAU801231     | SPY201348       | 47%      | 98.4%          | 97.5%            |
| SAU801231     | VCH101991       | 54%      | 98.4%          | 96.0%            |
| SAU801231     | YPS003130       | 54%      | 98.4%          | 97.5%            |
| SAU801232     | ABA100149       | 53%      | 55.8%          | 87.8%            |
| SAU801232     | BAN107311       | 67%      | 90.9%          | 87.5%            |
| SAU801232     | BFR100793       | 62%      | 93.5%          | 92.3%            |
| SAU801232     | BPT104633       | 60%      | 96.1%          | 94.9%            |
| SAU801232     | BBU100703       | 49%      | 92.2%          | 88.8%            |
| SAU801232     | BCE109854       | 58%      | 92.2%          | 91.1%            |
| SAU801232     | BFU104450       | 58%      | 92.2%          | 91.1%            |
| SAU801232     | BMA104399       | 58%      | 92.2%          | 91.1%            |
| SAU801232     | CJU100409       | 48%      | 100%           | 100%             |
| SAU801232     | CPN200457       | 54%      | 88.3%          | 86.1%            |
| SAU801232     | CTR200500       | 54%      | 88.3%          | 88.3%            |
| SAU801232     | CAC100280       | 61%      | 92.2%          | 92.2%            |
| SAU801232     | CBO102204       | 59%      | 92.2%          | 68.3%            |
| SAU801232     | CDF104494       | 52%      | 92.2%          | 95.9%            |
| SAU801232     | CDF102560       | 58%      | 89.6%          | 93.3%            |
| SAU801232     | CDP102441       | 36%      | 81.8%          | 65.3%            |
| SAU801232     | EBC107855       | 25%      | 93.5%          | 86.7%            |
| SAU801232     | EFA204896       | 56%      | 94.8%          | 92.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801232     | EFM201177       | 66%      | 62.3%          | 92.3%            |
| SAU801232     | ECO101067       | 63%      | 89.6%          | 88.5%            |
| SAU801232     | HIN100147       | 58%      | 90.9%          | 92.1%            |
| SAU801232     | HPY100946       | 52%      | 90.9%          | 45.1%            |
| SAU801232     | HPY100552       | 56%      | 93.5%          | 92.3%            |
| SAU801232     | KPN301296       | 62%      | 89.6%          | 88.5%            |
| SAU801232     | LPN100598       | 58%      | 90.9%          | 85.4%            |
| SAU801232     | LMO102315       | 71%      | 94.8%          | 94.8%            |
| SAU801232     | MCA100571       | 48%      | 88.3%          | 87.2%            |
| SAU801232     | MAV103068       | 40%      | 92.2%          | 61.7%            |
| SAU801232     | MBV100652       | 39%      | 92.2%          | 61.7%            |
| SAU801232     | MLP101007       | 39%      | 92.2%          | 61.7%            |
| SAU801232     | MTU202210       | 39%      | 92.2%          | 61.7%            |
| SAU801232     | MGE100293       | 29%      | 90.9%          | 83.3%            |
| SAU801232     | MPN100432       | 28%      | 58.4%          | 53.6%            |
| SAU801232     | NGO100692       | 57%      | 96.1%          | 96.2%            |
| SAU801232     | NME200041       | 56%      | 96.1%          | 96.2%            |
| SAU801232     | PMU101917       | 60%      | 90.9%          | 92.1%            |
| SAU801232     | PRT100070       | 67%      | 75.3%          | 90.6%            |
| SAU801232     | PAE202964       | 60%      | 88.3%          | 87.2%            |
| SAU801232     | PPU104838       | 58%      | 90.9%          | 89.7%            |
| SAU801232     | PSY106594       | 60%      | 90.9%          | 89.7%            |
| SAU801232     | SPA100630       | 63%      | 89.6%          | 88.5%            |
| SAU801232     | STY107110       | 63%      | 89.6%          | 88.5%            |
| SAU801232     | STM102722       | 63%      | 89.6%          | 88.5%            |
| SAU801232     | SAU801232       | 100%     | 100%           | 100%             |
| SAU801232     | SEP201525       | 98%      | 100%           | 100%             |
| SAU801232     | SHA101739       | 98%      | 100%           | 100%             |
| SAU801232     | SMU100547       | 45%      | 100%           | 100%             |
| SAU801232     | SPN400038       | 52%      | 92.2%          | 90.9%            |
| SAU801232     | SPY201351       | 44%      | 100%           | 100%             |
| SAU801232     | TPA100800       | 46%      | 94.8%          | 93.6%            |
| SAU801232     | UUR100511       | 27%      | 92.2%          | 94.8%            |
| SAU801232     | VCH101990       | 61%      | 90.9%          | 63.6%            |
| SAU801232     | YPS004652       | 65%      | 90.9%          | 89.7%            |
| SAU801234     | ABA100578       | 28%      | 98.8%          | 98.8%            |
| SAU801234     | BAN103630       | 32%      | 99.1%          | 99.5%            |
| SAU801234     | BAN104397       | 40%      | 99.6%          | 99.7%            |
| SAU801234     | BFR101153       | 20%      | 43.5%          | 56.2%            |
| SAU801234     | BPT100686       | 26%      | 99.0%          | 99.1%            |
| SAU801234     | BBU100045       | 23%      | 98.7%          | 99.3%            |
| SAU801234     | BCE108067       | 26%      | 99.2%          | 98.1%            |
| SAU801234     | BFU113992       | 27%      | 99.0%          | 99.1%            |
| SAU801234     | BMA100428       | 27%      | 99.2%          | 99.5%            |
| SAU801234     | CPN200161       | 18%      | 72.6%          | 43.0%            |
| SAU801234     | CAC103024       | 34%      | 99.2%          | 99.5%            |
| SAU801234     | CBO103358       | 35%      | 99.5%          | 99.4%            |
| SAU801234     | CDF101890       | 33%      | 99.5%          | 99.7%            |
| SAU801234     | CDP101170       | 27%      | 99.9%          | 99.7%            |
| SAU801234     | EFA201599       | 41%      | 99.4%          | 99.3%            |
| SAU801234     | EFM202536       | 36%      | 85.4%          | 99.6%            |
| SAU801234     | LPN102310       | 19%      | 65.2%          | 50.6%            |
| SAU801234     | LPN101618       | 20%      | 57.2%          | 33.6%            |
| SAU801234     | LMO100062       | 41%      | 99.5%          | 99.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801234     | MCA102065       | 25%      | 99.5%          | 99.8%            |
| SAU801234     | MAV100512       | 28%      | 48.5%          | 97.3%            |
| SAU801234     | MBV100832       | 37%      | 26.2%          | 70.0%            |
| SAU801234     | MLP100993       | 28%      | 98.7%          | 98.7%            |
| SAU801234     | MTU202884       | 27%      | 98.8%          | 92.3%            |
| SAU801234     | MGE100304       | 25%      | 12.6%          | 25.4%            |
| SAU801234     | MPN100415       | 27%      | 100%           | 99.8%            |
| SAU801234     | NGO101479       | 28%      | 98.8%          | 99.0%            |
| SAU801234     | NME200667       | 28%      | 98.8%          | 99.0%            |
| SAU801234     | PMU100609       | 18%      | 46.3%          | 76.5%            |
| SAU801234     | PAE201526       | 26%      | 98.8%          | 99.1%            |
| SAU801234     | PPU107259       | 28%      | 98.8%          | 99.1%            |
| SAU801234     | PSY103899       | 27%      | 98.8%          | 99.1%            |
| SAU801234     | SAU801234       | 100%     | 100%           | 100%             |
| SAU801234     | SEP201527       | 76%      | 100%           | 99.9%            |
| SAU801234     | SHA101741       | 72%      | 99.9%          | 99.9%            |
| SAU801234     | SMU100494       | 36%      | 99.5%          | 99.9%            |
| SAU801234     | SPN401125       | 37%      | 99.5%          | 99.8%            |
| SAU801234     | SPY200382       | 35%      | 99.5%          | 99.8%            |
| SAU801234     | TPA100363       | 26%      | 99.5%          | 98.8%            |
| SAU801234     | UUR100139       | 29%      | 99.2%          | 99.0%            |
| SAU801235     | ABA102251       | 46%      | 74.3%          | 84.0%            |
| SAU801235     | BAN106145       | 63%      | 73.3%          | 100%             |
| SAU801235     | BAN102864       | 68%      | 74.0%          | 93.6%            |
| SAU801235     | BFR103244       | 46%      | 71.6%          | 94.0%            |
| SAU801235     | BPT103145       | 42%      | 72.8%          | 49.8%            |
| SAU801235     | BBU100076       | 39%      | 67.5%          | 96.8%            |
| SAU801235     | BCE109396       | 44%      | 65.9%          | 77.1%            |
| SAU801235     | BFU100592       | 44%      | 64.9%          | 63.5%            |
| SAU801235     | BMA103170       | 42%      | 72.1%          | 61.1%            |
| SAU801235     | CJU101131       | 43%      | 73.1%          | 98.6%            |
| SAU801235     | CPN200871       | 37%      | 70.0%          | 97.6%            |
| SAU801235     | CTR200202       | 36%      | 67.1%          | 95.8%            |
| SAU801235     | CAC103551       | 49%      | 72.1%          | 97.7%            |
| SAU801235     | CBO103745       | 48%      | 72.1%          | 97.7%            |
| SAU801235     | CDF101891       | 46%      | 90.1%          | 92.5%            |
| SAU801235     | CDP101168       | 38%      | 90.6%          | 75.2%            |
| SAU801235     | EBC104170       | 43%      | 91.1%          | 75.9%            |
| SAU801235     | EFA201601       | 48%      | 94.0%          | 99.5%            |
| SAU801235     | EFM200001       | 60%      | 76.7%          | 95.5%            |
| SAU801235     | ECO103387       | 43%      | 91.1%          | 74.2%            |
| SAU801235     | HIN100748       | 42%      | 90.4%          | 92.0%            |
| SAU801235     | HPY100750       | 40%      | 69.2%          | 96.6%            |
| SAU801235     | KPN308256       | 46%      | 83.7%          | 68.0%            |
| SAU801235     | LMO101591       | 70%      | 75%            | 95.1%            |
| SAU801235     | MCA101469       | 48%      | 72.1%          | 95.2%            |
| SAU801235     | MAV103813       | 46%      | 65.6%          | 63.3%            |
| SAU801235     | MBV100063       | 42%      | 48.3%          | 57.8%            |
| SAU801235     | MLP100992       | 43%      | 71.9%          | 68.8%            |
| SAU801235     | MTU202883       | 46%      | 65.6%          | 64.2%            |
| SAU801235     | MGE100303       | 40%      | 76.7%          | 93.4%            |
| SAU801235     | MPN100416       | 41%      | 70.9%          | 84.8%            |
| SAU801235     | NME200274       | 41%      | 82.5%          | 81.2%            |
| SAU801235     | PMU101519       | 44%      | 82.7%          | 77.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801235     | PRT100781       | 44%      | 90.4%          | 60.0%            |
| SAU801235     | PAE200372       | 46%      | 72.8%          | 66.2%            |
| SAU801235     | PPU102117       | 47%      | 74.5%          | 62.8%            |
| SAU801235     | PSY102772       | 46%      | 74.8%          | 60.6%            |
| SAU801235     | SPA100292       | 52%      | 57.0%          | 94.0%            |
| SAU801235     | STY101273       | 43%      | 91.1%          | 75.6%            |
| SAU801235     | SAU801235       | 100%     | 100%           | 100%             |
| SAU801235     | SEP201528       | 82%      | 98.1%          | 99.5%            |
| SAU801235     | SHA101742       | 83%      | 100%           | 100%             |
| SAU801235     | SMU100011       | 47%      | 93.8%          | 73.3%            |
| SAU801235     | SPN401122       | 48%      | 90.9%          | 84.7%            |
| SAU801235     | SPY200409       | 51%      | 90.9%          | 72.1%            |
| SAU801235     | TPA100571       | 38%      | 68.5%          | 95.3%            |
| SAU801235     | UUR100140       | 47%      | 72.8%          | 86.6%            |
| SAU801235     | VCH100146       | 44%      | 87.3%          | 94.9%            |
| SAU801235     | YPS000724       | 44%      | 87.3%          | 64.9%            |
| SAU801236     | BAN105732       | 35%      | 38.2%          | 71.2%            |
| SAU801236     | BAN103174       | 68%      | 29.1%          | 88.9%            |
| SAU801236     | BAN108618       | 57%      | 91.8%          | 91.8%            |
| SAU801236     | BFR105869       | 36%      | 50.9%          | 31.9%            |
| SAU801236     | CAC101521       | 34%      | 90%            | 87.9%            |
| SAU801236     | CBO103236       | 38%      | 85.5%          | 92.7%            |
| SAU801236     | EFA201152       | 48%      | 96.4%          | 98.2%            |
| SAU801236     | EFM202076       | 48%      | 96.4%          | 98.2%            |
| SAU801236     | LMO101202       | 47%      | 93.6%          | 97.3%            |
| SAU801236     | MPN100417       | 31%      | 80.9%          | 87.3%            |
| SAU801236     | SAU801236       | 100%     | 100%           | 100%             |
| SAU801236     | SEP201529       | 82%      | 100%           | 100%             |
| SAU801236     | SHA101743       | 80%      | 100%           | 100%             |
| SAU801236     | SMU100255       | 50%      | 96.4%          | 96.4%            |
| SAU801236     | SPN401166       | 49%      | 96.4%          | 96.4%            |
| SAU801236     | SPY200916       | 52%      | 96.4%          | 93.8%            |
| SAU801236     | UUR100141       | 40%      | 65.5%          | 72.7%            |
| SAU801237     | ABA100567       | 51%      | 98.2%          | 95.7%            |
| SAU801237     | BAN113732       | 68%      | 73.6%          | 100%             |
| SAU801237     | BAN108180       | 75%      | 75.8%          | 100%             |
| SAU801237     | BFR10168        | 53%      | 84.2%          | 99.0%            |
| SAU801237     | BPT101335       | 49%      | 95.4%          | 95.7%            |
| SAU801237     | BBU100693       | 42%      | 94.3%          | 96.0%            |
| SAU801237     | BCE112884       | 48%      | 70.3%          | 97.5%            |
| SAU801237     | BFU115323       | 49%      | 98.5%          | 99.3%            |
| SAU801237     | BMA100755       | 49%      | 97.6%          | 99.3%            |
| SAU801237     | CJU100659       | 40%      | 97.8%          | 98.2%            |
| SAU801237     | CPN200646       | 39%      | 98.2%          | 98.4%            |
| SAU801237     | CTR200289       | 40%      | 98.5%          | 98.7%            |
| SAU801237     | CAC101092       | 62%      | 96.5%          | 98.2%            |
| SAU801237     | CBO101744       | 61%      | 96.5%          | 98.4%            |
| SAU801237     | CDF103672       | 65%      | 82.0%          | 96.9%            |
| SAU801237     | CDP101160       | 48%      | 98.0%          | 89.5%            |
| SAU801237     | EBC100407       | 50%      | 76.5%          | 94.4%            |
| SAU801237     | EFA201155       | 58%      | 98.7%          | 97.9%            |
| SAU801237     | EFM202293       | 62%      | 85.3%          | 99.7%            |
| SAU801237     | ECO102557       | 50%      | 99.3%          | 98.7%            |
| SAU801237     | HIN100105       | 50%      | 98.7%          | 97.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801237     | HPY101135       | 39%      | 98.9%          | 98.2%            |
| SAU801237     | KPN301264       | 51%      | 77.4%          | 93.0%            |
| SAU801237     | LPN101209       | 47%      | 98.7%          | 96.5%            |
| SAU801237     | LMO100196       | 72%      | 100%           | 100%             |
| SAU801237     | MCA100840       | 50%      | 98.9%          | 98.9%            |
| SAU801237     | MAV103395       | 45%      | 99.3%          | 91.1%            |
| SAU801237     | MBV102321       | 47%      | 96.9%          | 88.2%            |
| SAU801237     | MLP100989       | 47%      | 95.8%          | 85.4%            |
| SAU801237     | MTU202878       | 47%      | 96.9%          | 88.2%            |
| SAU801237     | MGE100048       | 44%      | 92.1%          | 93.5%            |
| SAU801237     | MPN100093       | 41%      | 98.9%          | 96.4%            |
| SAU801237     | NGO101772       | 48%      | 98.5%          | 98.7%            |
| SAU801237     | NME202026       | 50%      | 98.5%          | 98.7%            |
| SAU801237     | PMU101183       | 49%      | 98.7%          | 97.8%            |
| SAU801237     | PRT100858       | 49%      | 99.3%          | 98.7%            |
| SAU801237     | PAE203743       | 50%      | 99.6%          | 98.2%            |
| SAU801237     | PPU107798       | 51%      | 99.3%          | 99.3%            |
| SAU801237     | PSY103783       | 50%      | 99.3%          | 99.3%            |
| SAU801237     | SPA101887       | 47%      | 77.8%          | 98.6%            |
| SAU801237     | STY102223       | 51%      | 99.3%          | 98.7%            |
| SAU801237     | SAU801237       | 100%     | 100%           | 100%             |
| SAU801237     | SEP201530       | 94%      | 100%           | 100%             |
| SAU801237     | SHA102361       | 88%      | 24.0%          | 100%             |
| SAU801237     | SMU100253       | 55%      | 99.3%          | 88.0%            |
| SAU801237     | SPN401165       | 56%      | 96.9%          | 84.3%            |
| SAU801237     | SPY200915       | 54%      | 99.1%          | 87.9%            |
| SAU801237     | TPA100412       | 41%      | 93.8%          | 95.1%            |
| SAU801237     | UUR100090       | 44%      | 93.8%          | 94.6%            |
| SAU801237     | VCH100550       | 50%      | 98.5%          | 97.0%            |
| SAU801237     | YPS003448       | 50%      | 99.3%          | 98.7%            |
| SAU801238     | ABA100463       | 43%      | 82.4%          | 91.6%            |
| SAU801238     | BFR103669       | 51%      | 91.2%          | 38.7%            |
| SAU801238     | BPT101149       | 37%      | 80.2%          | 86.0%            |
| SAU801238     | BBU100694       | 44%      | 94.5%          | 98.8%            |
| SAU801238     | BCE101287       | 40%      | 82.4%          | 89.3%            |
| SAU801238     | BFU106133       | 40%      | 82.4%          | 68.2%            |
| SAU801238     | BMA105933       | 40%      | 82.4%          | 89.3%            |
| SAU801238     | CJU100660       | 52%      | 80.2%          | 96%              |
| SAU801238     | CPN200645       | 42%      | 72.5%          | 53.8%            |
| SAU801238     | CTR200290       | 43%      | 86.8%          | 65.5%            |
| SAU801238     | CAC102507       | 53%      | 89.0%          | 98.8%            |
| SAU801238     | CBO102241       | 57%      | 91.2%          | 96.5%            |
| SAU801238     | CDF104187       | 52%      | 100%           | 96.8%            |
| SAU801238     | CDP101155       | 51%      | 92.3%          | 52.9%            |
| SAU801238     | EFA201163       | 65%      | 100%           | 98.9%            |
| SAU801238     | ECO102556       | 39%      | 82.4%          | 92.7%            |
| SAU801238     | HIN100194       | 44%      | 82.4%          | 92.7%            |
| SAU801238     | HPY101134       | 47%      | 80.2%          | 94.7%            |
| SAU801238     | KPN203248       | 41%      | 75.8%          | 95.9%            |
| SAU801238     | LPN102433       | 42%      | 82.4%          | 88.4%            |
| SAU801238     | LMO101675       | 65%      | 100%           | 100%             |
| SAU801238     | MCA100471       | 45%      | 80.2%          | 90.2%            |
| SAU801238     | MAV103402       | 52%      | 92.3%          | 48.8%            |
| SAU801238     | MBV102277       | 51%      | 92.3%          | 51.2%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801238     | MLP100988       | 51%      | 92.3%          | 51.9%            |
| SAU801238     | MTU202871       | 51%      | 92.3%          | 51.2%            |
| SAU801238     | MGE100455       | 46%      | 91.2%          | 92.1%            |
| SAU801238     | MPN100182       | 51%      | 89.0%          | 90.9%            |
| SAU801238     | NGO102008       | 40%      | 83.5%          | 95.1%            |
| SAU801238     | NME200735       | 40%      | 83.5%          | 95.1%            |
| SAU801238     | PRT100822       | 45%      | 75.8%          | 72.9%            |
| SAU801238     | PAE203742       | 43%      | 80.2%          | 89.2%            |
| SAU801238     | PPU107799       | 40%      | 82.4%          | 69.7%            |
| SAU801238     | PSY103786       | 41%      | 85.7%          | 92.9%            |
| SAU801238     | SPA101888       | 38%      | 82.4%          | 74.5%            |
| SAU801238     | STY102221       | 38%      | 82.4%          | 92.7%            |
| SAU801238     | SAU801238       | 100%     | 100%           | 100%             |
| SAU801238     | SEP201531       | 87%      | 100%           | 100%             |
| SAU801238     | SHA102521       | 94%      | 56.0%          | 100%             |
| SAU801238     | SMU100800       | 61%      | 100%           | 98.9%            |
| SAU801238     | SPN400682       | 65%      | 100%           | 100%             |
| SAU801238     | SPY200625       | 62%      | 100%           | 100%             |
| SAU801238     | TPA100895       | 50%      | 82.4%          | 61.0%            |
| SAU801238     | UUR100575       | 45%      | 97.8%          | 89.1%            |
| SAU801238     | VCH100551       | 41%      | 80.2%          | 90.2%            |
| SAU801238     | YPS003446       | 42%      | 83.5%          | 92.7%            |
| SAU801240     | ABA100452       | 44%      | 93.9%          | 96.3%            |
| SAU801240     | BFR103869       | 51%      | 91.0%          | 99.6%            |
| SAU801240     | BPT101155       | 43%      | 91.4%          | 90.7%            |
| SAU801240     | BBU100697       | 45%      | 91.8%          | 94.1%            |
| SAU801240     | BCE110744       | 46%      | 90.6%          | 86.4%            |
| SAU801240     | BFU102064       | 43%      | 91.4%          | 88.8%            |
| SAU801240     | BMA102082       | 44%      | 91.4%          | 87.1%            |
| SAU801240     | CJU100663       | 38%      | 90.2%          | 96.6%            |
| SAU801240     | CPN200644       | 50%      | 91.8%          | 61.8%            |
| SAU801240     | CTR200291       | 45%      | 91.8%          | 63.4%            |
| SAU801240     | CAC101341       | 48%      | 95.9%          | 96.3%            |
| SAU801240     | CBO102927       | 52%      | 97.1%          | 97.5%            |
| SAU801240     | CDF104123       | 50%      | 91.4%          | 98.3%            |
| SAU801240     | CDP101153       | 41%      | 100%           | 97.6%            |
| SAU801240     | EBC100905       | 44%      | 97.6%          | 94.5%            |
| SAU801240     | EFA202296       | 54%      | 97.6%          | 98.0%            |
| SAU801240     | ECO102554       | 44%      | 97.6%          | 94.5%            |
| SAU801240     | HIN100192       | 45%      | 96.3%          | 96.7%            |
| SAU801240     | HPY101131       | 37%      | 91.8%          | 99.1%            |
| SAU801240     | KPN300514       | 33%      | 45.3%          | 100%             |
| SAU801240     | LPN101866       | 44%      | 97.6%          | 96.4%            |
| SAU801240     | LMO102506       | 55%      | 97.1%          | 98.4%            |
| SAU801240     | MCA100037       | 39%      | 89.8%          | 92%              |
| SAU801240     | MAV103396       | 42%      | 90.6%          | 95.0%            |
| SAU801240     | MBV102286       | 46%      | 90.2%          | 98.3%            |
| SAU801240     | MLP100985       | 45%      | 90.2%          | 95.0%            |
| SAU801240     | MTU202868       | 46%      | 90.2%          | 98.3%            |
| SAU801240     | MGE100454       | 46%      | 94.7%          | 99.1%            |
| SAU801240     | MPN100183       | 46%      | 86.1%          | 99.0%            |
| SAU801240     | NGO102006       | 46%      | 96.7%          | 96.0%            |
| SAU801240     | NME200733       | 46%      | 96.3%          | 95.6%            |
| SAU801240     | PMU101297       | 45%      | 97.6%          | 98.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801240     | PRT100820       | 42%      | 97.6%          | 96.4%            |
| SAU801240     | PAE203740       | 42%      | 96.3%          | 94.8%            |
| SAU801240     | PPU107801       | 45%      | 97.1%          | 96%              |
| SAU801240     | PSY102681       | 45%      | 97.1%          | 93.0%            |
| SAU801240     | SPA101890       | 43%      | 96.7%          | 93.7%            |
| SAU801240     | STY102217       | 44%      | 97.6%          | 94.5%            |
| SAU801240     | SAU801240       | 100%     | 100%           | 100%             |
| SAU801240     | SEP201533       | 81%      | 99.2%          | 99.2%            |
| SAU801240     | SMU100806       | 58%      | 97.6%          | 97.9%            |
| SAU801240     | SPN400687       | 57%      | 97.6%          | 98.3%            |
| SAU801240     | SPY200632       | 58%      | 100%           | 99.2%            |
| SAU801240     | TPA100898       | 43%      | 90.6%          | 88%              |
| SAU801240     | UUR100574       | 46%      | 91.8%          | 97.8%            |
| SAU801240     | VCH100553       | 44%      | 97.1%          | 97.2%            |
| SAU801240     | YPS003421       | 43%      | 97.6%          | 98.0%            |
| SAU801241     | ABA100455       | 64%      | 95.7%          | 91.0%            |
| SAU801241     | BFR102397       | 60%      | 83.6%          | 82.9%            |
| SAU801241     | BPT100242       | 64%      | 80.2%          | 73.8%            |
| SAU801241     | BBU100698       | 55%      | 90.5%          | 86.8%            |
| SAU801241     | BCE107881       | 53%      | 92.2%          | 82.3%            |
| SAU801241     | BFU102066       | 54%      | 92.2%          | 82.9%            |
| SAU801241     | BMA100174       | 53%      | 92.2%          | 82.9%            |
| SAU801241     | CJU100664       | 56%      | 97.4%          | 97.5%            |
| SAU801241     | CPN200643       | 48%      | 94.0%          | 90.1%            |
| SAU801241     | CTR200292       | 49%      | 94.8%          | 90.9%            |
| SAU801241     | CAC102258       | 63%      | 95.7%          | 97.4%            |
| SAU801241     | CBO102492       | 60%      | 94.8%          | 96.5%            |
| SAU801241     | CDF103914       | 67%      | 97.4%          | 97.4%            |
| SAU801241     | CDP101148       | 67%      | 95.7%          | 98.2%            |
| SAU801241     | EBC100906       | 55%      | 94.0%          | 94.8%            |
| SAU801241     | EFA202298       | 74%      | 95.7%          | 96.5%            |
| SAU801241     | EFM202223       | 76%      | 95.7%          | 96.5%            |
| SAU801241     | ECO102553       | 55%      | 94.0%          | 94.8%            |
| SAU801241     | HIN100191       | 54%      | 94.0%          | 94.0%            |
| SAU801241     | HPY101130       | 49%      | 97.4%          | 97.5%            |
| SAU801241     | KPN301017       | 55%      | 94.0%          | 94.8%            |
| SAU801241     | LPN101449       | 55%      | 98.3%          | 93.4%            |
| SAU801241     | LMO102632       | 76%      | 97.4%          | 99.1%            |
| SAU801241     | MCA100220       | 63%      | 95.7%          | 89.4%            |
| SAU801241     | MAV102886       | 65%      | 94.8%          | 97.3%            |
| SAU801241     | MBV102292       | 65%      | 94.8%          | 97.3%            |
| SAU801241     | MLP100984       | 64%      | 94.8%          | 97.3%            |
| SAU801241     | MTU202866       | 65%      | 94.8%          | 97.3%            |
| SAU801241     | MGE100453       | 48%      | 94.0%          | 90.8%            |
| SAU801241     | MPN100184       | 48%      | 94.0%          | 90.8%            |
| SAU801241     | NGO102004       | 64%      | 87.9%          | 84.3%            |
| SAU801241     | NME200732       | 65%      | 87.9%          | 84.3%            |
| SAU801241     | PMU101298       | 55%      | 94.0%          | 94.0%            |
| SAU801241     | PRT100819       | 55%      | 94.0%          | 93.2%            |
| SAU801241     | PAE203739       | 56%      | 98.3%          | 97.4%            |
| SAU801241     | PPU107802       | 57%      | 98.3%          | 97.4%            |
| SAU801241     | PSY103791       | 58%      | 98.3%          | 97.4%            |
| SAU801241     | SPA101891       | 55%      | 94.0%          | 94.8%            |
| SAU801241     | STY102215       | 55%      | 94.0%          | 94.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801241     | SAU801241       | 100%     | 100%           | 100%             |
| SAU801241     | SEP201534       | 93%      | 100%           | 100%             |
| SAU801241     | SMU100257       | 72%      | 95.7%          | 96.5%            |
| SAU801241     | SPN401170       | 72%      | 95.7%          | 96.5%            |
| SAU801241     | SPY200530       | 71%      | 95.7%          | 96.5%            |
| SAU801241     | TPA100899       | 57%      | 93.1%          | 87.8%            |
| SAU801241     | UUR100573       | 54%      | 95.7%          | 90.2%            |
| SAU801241     | VCH100554       | 62%      | 94.0%          | 93.2%            |
| SAU801241     | YPS003417       | 54%      | 94.0%          | 94.8%            |
| SAU801243     | BAN100670       | 54%      | 94.9%          | 99.3%            |
| SAU801243     | BAN113498       | 55%      | 97.6%          | 96.6%            |
| SAU801243     | BBU100642       | 34%      | 94.2%          | 96.4%            |
| SAU801243     | CAC103197       | 43%      | 92.5%          | 95.8%            |
| SAU801243     | CBO101418       | 41%      | 97.6%          | 97.9%            |
| SAU801243     | CDF103392       | 44%      | 94.6%          | 92.0%            |
| SAU801243     | EFA201280       | 53%      | 97.6%          | 100%             |
| SAU801243     | EFM202454       | 52%      | 97.6%          | 99.0%            |
| SAU801243     | LMO101914       | 58%      | 94.9%          | 96.9%            |
| SAU801243     | MGE100451       | 30%      | 94.6%          | 96.7%            |
| SAU801243     | MPN100186       | 29%      | 94.6%          | 96.3%            |
| SAU801243     | NGO101947       | 35%      | 93.2%          | 86.3%            |
| SAU801243     | NME200873       | 35%      | 93.2%          | 86.3%            |
| SAU801243     | SAU801243       | 100%     | 100%           | 100%             |
| SAU801243     | SEP201537       | 82%      | 97.6%          | 100%             |
| SAU801243     | SHA101010       | 84%      | 100%           | 100%             |
| SAU801243     | SMU100098       | 46%      | 94.2%          | 95.8%            |
| SAU801243     | SPN401043       | 45%      | 95.9%          | 97.5%            |
| SAU801243     | SPY200887       | 44%      | 96.3%          | 98.2%            |
| SAU801243     | UUR100599       | 30%      | 94.2%          | 97.4%            |
| SAU801243     | VCH103253       | 41%      | 97.3%          | 88.9%            |
| SAU801246     | ABA101768       | 62%      | 97.0%          | 99.7%            |
| SAU801246     | BAN108859       | 65%      | 98.0%          | 98.7%            |
| SAU801246     | BAN107819       | 77%      | 98.0%          | 98.7%            |
| SAU801246     | BFR12149        | 55%      | 94.0%          | 98.6%            |
| SAU801246     | BPT102810       | 60%      | 94.0%          | 98.6%            |
| SAU801246     | BCE103851       | 63%      | 95.0%          | 99.7%            |
| SAU801246     | BFU103478       | 61%      | 94.0%          | 98.6%            |
| SAU801246     | BMA108528       | 62%      | 94.0%          | 98.6%            |
| SAU801246     | CJU100496       | 54%      | 94.0%          | 98.3%            |
| SAU801246     | CPN200869       | 59%      | 92.7%          | 95.6%            |
| SAU801246     | CTR200204       | 55%      | 94.0%          | 97.6%            |
| SAU801246     | EBC102737       | 65%      | 94.0%          | 98.3%            |
| SAU801246     | EFA201366       | 24%      | 68.5%          | 20.3%            |
| SAU801246     | ECO100712       | 65%      | 94.0%          | 98.3%            |
| SAU801246     | HIN101170       | 62%      | 96.4%          | 99.3%            |
| SAU801246     | KPN300770       | 63%      | 94.0%          | 98.3%            |
| SAU801246     | LPN101597       | 62%      | 94.7%          | 98.6%            |
| SAU801246     | MAV101285       | 52%      | 92.4%          | 96%              |
| SAU801246     | MBV101961       | 51%      | 92.1%          | 94.7%            |
| SAU801246     | MLP100114       | 51%      | 92.4%          | 96%              |
| SAU801246     | MTU200943       | 51%      | 92.1%          | 94.7%            |
| SAU801246     | NGO101261       | 63%      | 97.0%          | 99.7%            |
| SAU801246     | NME201066       | 63%      | 97.0%          | 99.7%            |
| SAU801246     | PMU100281       | 64%      | 94.0%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801246     | PRT102068       | 65%      | 94.0%          | 97.9%            |
| SAU801246     | PAE201588       | 65%      | 94.7%          | 96.9%            |
| SAU801246     | PPU101203       | 64%      | 94.7%          | 97.3%            |
| SAU801246     | PSY104865       | 64%      | 94.7%          | 97.6%            |
| SAU801246     | SPA103281       | 61%      | 89.7%          | 94.4%            |
| SAU801246     | STY101933       | 65%      | 94.0%          | 98.3%            |
| SAU801246     | STM101672       | 65%      | 94.0%          | 98.3%            |
| SAU801246     | SAU801246       | 100%     | 100%           | 100%             |
| SAU801246     | SEP201540       | 93%      | 100%           | 100%             |
| SAU801246     | SHA100180       | 93%      | 86.4%          | 100%             |
| SAU801246     | VCH102052       | 66%      | 94.7%          | 98.6%            |
| SAU801246     | YPS002067       | 65%      | 94.0%          | 97.9%            |
| SAU801251     | BAN112697       | 67%      | 97.9%          | 99.8%            |
| SAU801251     | BAN101040       | 72%      | 98.9%          | 94.9%            |
| SAU801251     | EFA201310       | 71%      | 97.9%          | 97.7%            |
| SAU801251     | EFM200985       | 68%      | 99.1%          | 93.9%            |
| SAU801251     | LMO102370       | 72%      | 100%           | 100%             |
| SAU801251     | SAU801251       | 100%     | 100%           | 100%             |
| SAU801251     | SEP201543       | 91%      | 100%           | 98.2%            |
| SAU801251     | SHA100490       | 93%      | 67.1%          | 100%             |
| SAU801251     | SMU100122       | 63%      | 98.2%          | 98.2%            |
| SAU801251     | SPN400844       | 66%      | 98.2%          | 98.2%            |
| SAU801251     | SPY200895       | 65%      | 97.7%          | 96.9%            |
| SAU801252     | BAN111598       | 42%      | 96.3%          | 98.0%            |
| SAU801252     | BAN106190       | 47%      | 96.3%          | 97.7%            |
| SAU801252     | EFA201313       | 46%      | 96.3%          | 97.7%            |
| SAU801252     | EFM202573       | 45%      | 96.6%          | 93.9%            |
| SAU801252     | LMO101828       | 47%      | 97.0%          | 98%              |
| SAU801252     | SAU801252       | 100%     | 100%           | 100%             |
| SAU801252     | SEP201545       | 81%      | 98.7%          | 99.3%            |
| SAU801252     | SHA100491       | 82%      | 99.7%          | 100%             |
| SAU801252     | SPN401046       | 26%      | 79.5%          | 78.1%            |
| SAU801253     | BAN106152       | 70%      | 96.7%          | 97.8%            |
| SAU801253     | BAN100924       | 73%      | 96.7%          | 97.8%            |
| SAU801253     | BPT100535       | 56%      | 96.7%          | 96.6%            |
| SAU801253     | BBU100295       | 53%      | 95.6%          | 95.6%            |
| SAU801253     | BCEI07448       | 41%      | 82.3%          | 95.5%            |
| SAU801253     | BFU106864       | 53%      | 96.7%          | 97.2%            |
| SAU801253     | BMA106404       | 52%      | 96.7%          | 82.0%            |
| SAU801253     | CJU100619       | 53%      | 93.9%          | 93.9%            |
| SAU801253     | EBC104505       | 55%      | 95.6%          | 97.2%            |
| SAU801253     | EFA201316       | 63%      | 100%           | 100%             |
| SAU801253     | EFM201153       | 63%      | 100%           | 100%             |
| SAU801253     | ECO103838       | 56%      | 95.6%          | 97.2%            |
| SAU801253     | HINI00475       | 59%      | 95.6%          | 98.3%            |
| SAU801253     | HPY100510       | 51%      | 94.5%          | 96.7%            |
| SAU801253     | KPN303215       | 54%      | 95.6%          | 97.2%            |
| SAU801253     | LPN100752       | 56%      | 96.7%          | 95.1%            |
| SAU801253     | LMO102574       | 71%      | 97.2%          | 98.9%            |
| SAU801253     | MAV106140       | 26%      | 89.0%          | 58.7%            |
| SAU801253     | MBV101982       | 27%      | 89.0%          | 61.2%            |
| SAU801253     | MLP100822       | 25%      | 89.0%          | 61.2%            |
| SAU801253     | MTU202077       | 27%      | 89.0%          | 61.2%            |
| SAU801253     | PMU101749       | 58%      | 95.6%          | 97.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801253     | PRT101661       | 54%      | 95.6%          | 97.2%            |
| SAU801253     | PAE205048       | 57%      | 95.6%          | 97.2%            |
| SAU801253     | PPU107338       | 59%      | 96.7%          | 90.1%            |
| SAU801253     | PSY103571       | 59%      | 94.5%          | 88.0%            |
| SAU801253     | SPA106189       | 66%      | 32.6%          | 98.3%            |
| SAU801253     | STY103120       | 55%      | 95.6%          | 97.2%            |
| SAU801253     | SAU801253       | 100%     | 100%           | 100%             |
| SAU801253     | SEP201546       | 94%      | 98.9%          | 99.4%            |
| SAU801253     | SHA100492       | 95%      | 100%           | 100%             |
| SAU801253     | VCH102638       | 58%      | 95.6%          | 92.4%            |
| SAU801253     | YPS001391       | 56%      | 95.6%          | 98.3%            |
| SAU801256     | ABA104000       | 48%      | 96.1%          | 97.6%            |
| SAU801256     | BAN100446       | 73%      | 71.0%          | 96.8%            |
| SAU801256     | BAN110084       | 77%      | 89.0%          | 97.4%            |
| SAU801256     | BFR104950       | 47%      | 92.5%          | 84.9%            |
| SAU801256     | BPT101108       | 54%      | 86.7%          | 88.8%            |
| SAU801256     | BBU100122       | 49%      | 100%           | 98.8%            |
| SAU801256     | BCE101166       | 47%      | 92.9%          | 96.3%            |
| SAU801256     | BFU101939       | 49%      | 94.1%          | 96%              |
| SAU801256     | BMA101604       | 48%      | 92.2%          | 97.1%            |
| SAU801256     | CJU101107       | 50%      | 99.2%          | 97.0%            |
| SAU801256     | CPN200048       | 46%      | 98.8%          | 91.7%            |
| SAU801256     | CTR200051       | 45%      | 94.9%          | 85.8%            |
| SAU801256     | CAC101756       | 70%      | 89.0%          | 97.9%            |
| SAU801256     | CBO103187       | 70%      | 89.0%          | 97.9%            |
| SAU801256     | CDF101764       | 69%      | 92.9%          | 99.6%            |
| SAU801256     | CDP101120       | 54%      | 100%           | 97.0%            |
| SAU801256     | EBC103098       | 52%      | 88.2%          | 93.4%            |
| SAU801256     | EFA200418       | 70%      | 99.6%          | 95.0%            |
| SAU801256     | ECO100169       | 51%      | 88.2%          | 93.4%            |
| SAU801256     | HIN100892       | 47%      | 92.5%          | 94.8%            |
| SAU801256     | HPY101531       | 51%      | 97.6%          | 94.3%            |
| SAU801256     | KPN301398       | 51%      | 83.5%          | 93.0%            |
| SAU801256     | LPN100646       | 48%      | 96.5%          | 98.8%            |
| SAU801256     | LMO100442       | 74%      | 98.8%          | 100%             |
| SAU801256     | MCA101251       | 49%      | 98.8%          | 92.3%            |
| SAU801256     | MAV106404       | 56%      | 99.2%          | 94.2%            |
| SAU801256     | MBV102282       | 61%      | 88.6%          | 78.7%            |
| SAU801256     | MLP100973       | 61%      | 88.6%          | 81.6%            |
| SAU801256     | MTU202852       | 61%      | 88.6%          | 78.7%            |
| SAU801256     | MGE100072       | 37%      | 96.5%          | 87.0%            |
| SAU801256     | MPN100623       | 36%      | 96.5%          | 84.0%            |
| SAU801256     | NGO100893       | 46%      | 92.9%          | 97.9%            |
| SAU801256     | NME200306       | 46%      | 92.9%          | 97.9%            |
| SAU801256     | PMU101984       | 48%      | 92.5%          | 94.4%            |
| SAU801256     | PRT105507       | 51%      | 96.1%          | 100%             |
| SAU801256     | PAE203654       | 50%      | 92.5%          | 98.4%            |
| SAU801256     | PPU107884       | 49%      | 92.9%          | 97.1%            |
| SAU801256     | PSY108183       | 51%      | 89.8%          | 85.8%            |
| SAU801256     | SPA101195       | 49%      | 96.1%          | 100%             |
| SAU801256     | STY103848       | 52%      | 88.2%          | 93.4%            |
| SAU801256     | STM103561       | 52%      | 88.2%          | 93.4%            |
| SAU801256     | SAU801256       | 100%     | 100%           | 100%             |
| SAU801256     | SEP201549       | 94%      | 100%           | 97.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801256     | SHA100713       | 93%      | 78.8%          | 96.6%            |
| SAU801256     | SMU100628       | 62%      | 99.6%          | 96.9%            |
| SAU801256     | SPN402017       | 63%      | 99.6%          | 97.3%            |
| SAU801256     | SPY201599       | 64%      | 97.6%          | 97.3%            |
| SAU801256     | TPA100599       | 58%      | 87.5%          | 76.6%            |
| SAU801256     | UUR100024       | 43%      | 86.7%          | 63.6%            |
| SAU801256     | VCH102226       | 53%      | 92.2%          | 95.5%            |
| SAU801256     | YPS001127       | 52%      | 88.2%          | 93.4%            |
| SAU801257     | ABA106144       | 43%      | 98.3%          | 97.3%            |
| SAU801257     | BAN110110       | 57%      | 96.9%          | 99.0%            |
| SAU801257     | BAN103067       | 70%      | 99.0%          | 98.3%            |
| SAU801257     | BFR10353        | 33%      | 92.5%          | 98.5%            |
| SAU801257     | BPT101109       | 46%      | 98.3%          | 97.3%            |
| SAU801257     | BBU100121       | 34%      | 88.4%          | 92.5%            |
| SAU801257     | BCE107064       | 46%      | 99.7%          | 97.6%            |
| SAU801257     | BFU100280       | 46%      | 99.7%          | 97.6%            |
| SAU801257     | BMA107429       | 44%      | 99.7%          | 97.6%            |
| SAU801257     | CJU101106       | 37%      | 99.7%          | 100%             |
| SAU801257     | CPN200047       | 37%      | 93.5%          | 99.6%            |
| SAU801257     | CTR200050       | 35%      | 93.5%          | 99.6%            |
| SAU801257     | CAC101812       | 47%      | 99.0%          | 98.7%            |
| SAU801257     | CBO101301       | 47%      | 98.6%          | 98.4%            |
| SAU801257     | CDF101762       | 53%      | 100%           | 100%             |
| SAU801257     | CDP101115       | 41%      | 93.9%          | 99.6%            |
| SAU801257     | EBC103096       | 43%      | 100%           | 99.3%            |
| SAU801257     | EFA200421       | 62%      | 100%           | 99.7%            |
| SAU801257     | ECO100170       | 43%      | 100%           | 99.3%            |
| SAU801257     | HIN100893       | 47%      | 98.3%          | 97.2%            |
| SAU801257     | HPY101532       | 37%      | 100%           | 100%             |
| SAU801257     | KPN301399       | 43%      | 100%           | 99.3%            |
| SAU801257     | LPN100716       | 44%      | 100%           | 99.7%            |
| SAU801257     | LMO102014       | 63%      | 100%           | 99.7%            |
| SAU801257     | MCA101252       | 42%      | 98.3%          | 96.9%            |
| SAU801257     | MAV106405       | 40%      | 93.9%          | 99.6%            |
| SAU801257     | MBV102285       | 40%      | 93.9%          | 99.6%            |
| SAU801257     | MLP100972       | 38%      | 93.9%          | 99.6%            |
| SAU801257     | MTU202851       | 40%      | 93.9%          | 99.6%            |
| SAU801257     | MGE100443       | 37%      | 100%           | 99.7%            |
| SAU801257     | MPN100211       | 40%      | 100%           | 99.7%            |
| SAU801257     | NGO100890       | 44%      | 100%           | 99.6%            |
| SAU801257     | NME200305       | 44%      | 100%           | 99.6%            |
| SAU801257     | PMU101985       | 46%      | 100%           | 99.6%            |
| SAU801257     | PRT104501       | 45%      | 100%           | 100%             |
| SAU801257     | PAE203653       | 46%      | 99.7%          | 98.3%            |
| SAU801257     | PPU107887       | 42%      | 99.7%          | 98.3%            |
| SAU801257     | PSY104373       | 44%      | 99.7%          | 98.3%            |
| SAU801257     | SPA101193       | 43%      | 100%           | 99.3%            |
| SAU801257     | STY103870       | 43%      | 100%           | 99.3%            |
| SAU801257     | STM103563       | 43%      | 100%           | 99.3%            |
| SAU801257     | SAU801257       | 100%     | 100%           | 100%             |
| SAU801257     | SEP201550       | 91%      | 99.0%          | 99.3%            |
| SAU801257     | SHA100714       | 92%      | 99.0%          | 99.3%            |
| SAU801257     | SMU100627       | 42%      | 99.7%          | 98.3%            |
| SAU801257     | SPN402016       | 42%      | 99.7%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801257     | SPY201600       | 42%      | 99.7%          | 98.3%            |
| SAU801257     | TPA100598       | 31%      | 91.5%          | 95.5%            |
| SAU801257     | UUR100520       | 40%      | 98.3%          | 98.6%            |
| SAU801257     | VCH102225       | 44%      | 97.3%          | 97.1%            |
| SAU801257     | YPS001128       | 44%      | 100%           | 99.3%            |
| SAU801259     | ABA101326       | 40%      | 100%           | 99.5%            |
| SAU801259     | BAN107492       | 62%      | 95.1%          | 100%             |
| SAU801259     | BAN102566       | 62%      | 98.4%          | 97.8%            |
| SAU801259     | BFR11093        | 45%      | 98.4%          | 96.8%            |
| SAU801259     | BPT101111       | 48%      | 100%           | 98.9%            |
| SAU801259     | BBU100120       | 47%      | 93.5%          | 93.5%            |
| SAU801259     | BCE106939       | 46%      | 100%           | 98.9%            |
| SAU801259     | BFU100278       | 47%      | 94.0%          | 100%             |
| SAU801259     | BMA105364       | 47%      | 100%           | 98.9%            |
| SAU801259     | CJU100207       | 41%      | 100%           | 98.4%            |
| SAU801259     | CPN200045       | 38%      | 98.4%          | 98.9%            |
| SAU801259     | CTR200048       | 38%      | 97.8%          | 98.9%            |
| SAU801259     | CAC102009       | 52%      | 100%           | 99.5%            |
| SAU801259     | CBO101172       | 50%      | 100%           | 99.5%            |
| SAU801259     | CDF101758       | 53%      | 98.9%          | 98.4%            |
| SAU801259     | CDP101113       | 45%      | 100%           | 99.5%            |
| SAU801259     | EBC103092       | 45%      | 98.9%          | 98.4%            |
| SAU801259     | EFA200427       | 60%      | 98.9%          | 98.4%            |
| SAU801259     | ECO100172       | 46%      | 98.9%          | 98.4%            |
| SAU801259     | HIN100788       | 43%      | 98.9%          | 98.4%            |
| SAU801259     | HPY101239       | 46%      | 98.4%          | 97.8%            |
| SAU801259     | KPN301402       | 46%      | 98.9%          | 98.4%            |
| SAU801259     | LPN100810       | 47%      | 100%           | 99.5%            |
| SAU801259     | LMO100919       | 59%      | 98.9%          | 98.4%            |
| SAU801259     | MCA100779       | 42%      | 100%           | 99.5%            |
| SAU801259     | MAV106394       | 46%      | 100%           | 99.5%            |
| SAU801259     | MBV102301       | 46%      | 100%           | 99.5%            |
| SAU801259     | MLP100969       | 45%      | 100%           | 99.5%            |
| SAU801259     | MTU202844       | 46%      | 100%           | 99.5%            |
| SAU801259     | MGE100445       | 35%      | 95.7%          | 94.5%            |
| SAU801259     | MPN100206       | 35%      | 97.8%          | 96.7%            |
| SAU801259     | NGO100813       | 45%      | 100%           | 99.5%            |
| SAU801259     | NME200075       | 44%      | 100%           | 99.5%            |
| SAU801259     | PMU101987       | 43%      | 98.9%          | 98.4%            |
| SAU801259     | PRT101754       | 43%      | 98.9%          | 98.4%            |
| SAU801259     | PAE203651       | 44%      | 100%           | 99.5%            |
| SAU801259     | PPU101137       | 46%      | 100%           | 99.5%            |
| SAU801259     | PSY109122       | 42%      | 100%           | 99.5%            |
| SAU801259     | SPA101723       | 44%      | 98.9%          | 98.4%            |
| SAU801259     | STY103872       | 45%      | 98.9%          | 98.4%            |
| SAU801259     | STM103585       | 45%      | 98.9%          | 98.4%            |
| SAU801259     | SAU801259       | 100%     | 100%           | 100%             |
| SAU801259     | SEP201552       | 91%      | 100%           | 100%             |
| SAU801259     | SHA100716       | 89%      | 100%           | 100%             |
| SAU801259     | SMU101141       | 56%      | 98.4%          | 97.8%            |
| SAU801259     | SPN400846       | 54%      | 98.4%          | 97.8%            |
| SAU801259     | SPY200332       | 60%      | 98.4%          | 97.8%            |
| SAU801259     | TPA100597       | 44%      | 94.6%          | 95.1%            |
| SAU801259     | UUR100518       | 43%      | 97.8%          | 97.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801259     | VCH102223       | 45%      | 100%           | 99.5%            |
| SAU801259     | YPS001131       | 43%      | 98.9%          | 98.4%            |
| SAU801260     | ABA101323       | 35%      | 91.4%          | 93.6%            |
| SAU801260     | BAN110276       | 44%      | 92.6%          | 100%             |
| SAU801260     | BAN105083       | 55%      | 96.1%          | 95.7%            |
| SAU801260     | BFR102222       | 42%      | 74.2%          | 90.4%            |
| SAU801260     | BPT101116       | 41%      | 92.6%          | 93.3%            |
| SAU801260     | BBU100119       | 33%      | 91.0%          | 99.6%            |
| SAU801260     | BCE102153       | 34%      | 89.1%          | 89.1%            |
| SAU801260     | BFU100277       | 40%      | 92.6%          | 90.8%            |
| SAU801260     | BMA102737       | 40%      | 92.6%          | 90.8%            |
| SAU801260     | CJU100763       | 32%      | 88.3%          | 97.7%            |
| SAU801260     | CPN200180       | 41%      | 93.4%          | 93.5%            |
| SAU801260     | CTR200725       | 43%      | 89.1%          | 91.7%            |
| SAU801260     | CAC100397       | 52%      | 93.0%          | 93.8%            |
| SAU801260     | CBO101109       | 49%      | 95.7%          | 96.0%            |
| SAU801260     | CDF101757       | 53%      | 94.1%          | 98.8%            |
| SAU801260     | CDP100541       | 38%      | 89.5%          | 93.5%            |
| SAU801260     | EBC103101       | 41%      | 86.3%          | 96.5%            |
| SAU801260     | EFA201709       | 55%      | 94.9%          | 93.4%            |
| SAU801260     | EFM200654       | 20%      | 43.4%          | 31.5%            |
| SAU801260     | EFM202480       | 20%      | 43.4%          | 31.5%            |
| SAU801260     | ECO100174       | 43%      | 88.3%          | 89.3%            |
| SAU801260     | HIN100899       | 44%      | 91.8%          | 98.3%            |
| SAU801260     | HPY101204       | 39%      | 90.2%          | 98.3%            |
| SAU801260     | KPN301405       | 39%      | 93.8%          | 93.0%            |
| SAU801260     | LPN100728       | 33%      | 63.7%          | 98.8%            |
| SAU801260     | LMO100967       | 52%      | 98.8%          | 100%             |
| SAU801260     | MCA100780       | 38%      | 91.0%          | 94.0%            |
| SAU801260     | MAV108353       | 41%      | 91.0%          | 78.7%            |
| SAU801260     | MBV102605       | 40%      | 85.9%          | 99.1%            |
| SAU801260     | MLP100397       | 39%      | 91.0%          | 78.7%            |
| SAU801260     | MTU202325       | 39%      | 91.0%          | 78.7%            |
| SAU801260     | NGO100815       | 44%      | 93.0%          | 93.5%            |
| SAU801260     | NME200076       | 44%      | 93.0%          | 93.5%            |
| SAU801260     | PMU101989       | 45%      | 93.0%          | 99.2%            |
| SAU801260     | PRT105689       | 42%      | 94.9%          | 96.4%            |
| SAU801260     | PAE203650       | 39%      | 91.0%          | 92.8%            |
| SAU801260     | PPU101138       | 39%      | 91.8%          | 93.6%            |
| SAU801260     | PSY104368       | 37%      | 91.8%          | 93.6%            |
| SAU801260     | SPA101725       | 38%      | 88.3%          | 93.7%            |
| SAU801260     | STY103874       | 41%      | 90.6%          | 93.7%            |
| SAU801260     | STM103587       | 41%      | 90.6%          | 93.7%            |
| SAU801260     | SAU801260       | 100%     | 100%           | 100%             |
| SAU801260     | SEP201553       | 78%      | 100%           | 100%             |
| SAU801260     | SHA102731       | 78%      | 100%           | 100%             |
| SAU801260     | SMU101088       | 49%      | 94.9%          | 99.2%            |
| SAU801260     | SPN400240       | 53%      | 90.6%          | 91.5%            |
| SAU801260     | SPY201513       | 55%      | 89.5%          | 93.6%            |
| SAU801260     | TPA100596       | 38%      | 89.1%          | 99.1%            |
| SAU801260     | VCH102222       | 40%      | 94.1%          | 94.1%            |
| SAU801260     | YPS001135       | 40%      | 90.6%          | 92.1%            |
| SAU801261     | ABA101320       | 45%      | 46.5%          | 44.9%            |
| SAU801261     | BAN105383       | 44%      | 98.8%          | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801261     | BAN105024       | 49%      | 98.8%          | 98.9%            |
| SAU801261     | BFR103149       | 37%      | 65.4%          | 68.5%            |
| SAU801261     | BPT105948       | 35%      | 48.5%          | 46.7%            |
| SAU801261     | BCE105417       | 32%      | 98.8%          | 99.3%            |
| SAU801261     | BFU100276       | 36%      | 98.8%          | 99.3%            |
| SAU801261     | BMA102698       | 30%      | 98.8%          | 99.3%            |
| SAU801261     | CJU101271       | 42%      | 50%            | 52.3%            |
| SAU801261     | CPN200179       | 31%      | 57.7%          | 52.9%            |
| SAU801261     | CTR200726       | 27%      | 95%            | 89.5%            |
| SAU801261     | CAC100444       | 30%      | 89.6%          | 95.9%            |
| SAU801261     | CBO101925       | 31%      | 90.8%          | 98.8%            |
| SAU801261     | CDF101756       | 35%      | 95.4%          | 96.1%            |
| SAU801261     | CDP101112       | 40%      | 48.1%          | 42.8%            |
| SAU801261     | EBC103099       | 46%      | 51.9%          | 47.4%            |
| SAU801261     | EFA201711       | 42%      | 98.1%          | 98.5%            |
| SAU801261     | ECO100175       | 44%      | 51.9%          | 54.2%            |
| SAU801261     | HIN100898       | 43%      | 48.5%          | 45.1%            |
| SAU801261     | HPY100211       | 29%      | 90.4%          | 89.1%            |
| SAU801261     | KPN301406       | 43%      | 52.7%          | 52.1%            |
| SAU801261     | LPN100664       | 44%      | 47.7%          | 46.4%            |
| SAU801261     | LMO100426       | 45%      | 99.2%          | 99.6%            |
| SAU801261     | MCA100781       | 32%      | 96.5%          | 88.3%            |
| SAU801261     | MAV106396       | 40%      | 46.5%          | 38.6%            |
| SAU801261     | MBV102303       | 39%      | 51.5%          | 42.8%            |
| SAU801261     | MLP100968       | 40%      | 46.2%          | 38.1%            |
| SAU801261     | MTU202843       | 39%      | 51.5%          | 42.8%            |
| SAU801261     | MGE100446       | 26%      | 92.3%          | 76.2%            |
| SAU801261     | MPN100205       | 26%      | 87.7%          | 72.2%            |
| SAU801261     | NGO100817       | 42%      | 43.1%          | 43.0%            |
| SAU801261     | NME200077       | 29%      | 96.2%          | 95.5%            |
| SAU801261     | PMU101990       | 37%      | 63.1%          | 60.6%            |
| SAU801261     | PRT101751       | 35%      | 86.2%          | 73.9%            |
| SAU801261     | PAE202534       | 28%      | 96.5%          | 82.6%            |
| SAU801261     | PPU101140       | 31%      | 98.8%          | 96.7%            |
| SAU801261     | PSY104366       | 32%      | 98.8%          | 96.7%            |
| SAU801261     | SPA101726       | 45%      | 51.9%          | 54.4%            |
| SAU801261     | STY103875       | 45%      | 51.9%          | 47.4%            |
| SAU801261     | STM103588       | 45%      | 51.9%          | 47.4%            |
| SAU801261     | SAU801261       | 100%     | 100%           | 100%             |
| SAU801261     | SEP201554       | 86%      | 100%           | 100%             |
| SAU801261     | SHA100718       | 86%      | 99.6%          | 99.6%            |
| SAU801261     | SMU101086       | 41%      | 97.7%          | 98.1%            |
| SAU801261     | SPN400241       | 39%      | 98.1%          | 97.0%            |
| SAU801261     | SPY201512       | 40%      | 98.1%          | 98.5%            |
| SAU801261     | TPA100595       | 27%      | 84.6%          | 81.2%            |
| SAU801261     | UUR100517       | 30%      | 66.9%          | 56.3%            |
| SAU801261     | VCH102221       | 44%      | 49.2%          | 46.1%            |
| SAU801261     | YPS001137       | 33%      | 90%            | 78.0%            |
| SAU801263     | ABA100529       | 45%      | 98.1%          | 99.1%            |
| SAU801263     | BAN100354       | 53%      | 98.9%          | 99.6%            |
| SAU801263     | BAN103931       | 58%      | 98.9%          | 99.5%            |
| SAU801263     | BFR100495       | 27%      | 33.7%          | 4.4%             |
| SAU801263     | BPT102439       | 44%      | 99.8%          | 100%             |
| SAU801263     | BCE111561       | 55%      | 39.0%          | 99.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801263     | BFU106495       | 45%      | 99.1%          | 98.8%            |
| SAU801263     | BMA104091       | 45%      | 99.1%          | 98.8%            |
| SAU801263     | CJU100505       | 40%      | 99.1%          | 99.5%            |
| SAU801263     | CPN200251       | 39%      | 95.6%          | 96.3%            |
| SAU801263     | CTR200662       | 36%      | 98.1%          | 96.7%            |
| SAU801263     | CAC100467       | 50%      | 98.6%          | 97.4%            |
| SAU801263     | CBO100123       | 31%      | 98.6%          | 98.7%            |
| SAU801263     | CDF100404       | 45%      | 13.4%          | 81.9%            |
| SAU801263     | CDF100250       | 47%      | 97.9%          | 97.2%            |
| SAU801263     | CDP100483       | 39%      | 95.1%          | 95.4%            |
| SAU801263     | EBC102546       | 44%      | 98.1%          | 98.6%            |
| SAU801263     | EFA200454       | 56%      | 98.8%          | 98.3%            |
| SAU801263     | EFM201684       | 55%      | 98.6%          | 98.6%            |
| SAU801263     | ECO100194       | 44%      | 99.1%          | 99.5%            |
| SAU801263     | HIN100709       | 44%      | 99.8%          | 100%             |
| SAU801263     | HPY100234       | 42%      | 93.7%          | 93.8%            |
| SAU801263     | KPN301911       | 46%      | 93.7%          | 97.8%            |
| SAU801263     | LPN102483       | 44%      | 16.6%          | 100%             |
| SAU801263     | LMO100624       | 59%      | 98.6%          | 98.8%            |
| SAU801263     | MCA101839       | 45%      | 98.4%          | 99.8%            |
| SAU801263     | MAV102826       | 40%      | 96.5%          | 97.1%            |
| SAU801263     | MBV103229       | 39%      | 96.5%          | 97.1%            |
| SAU801263     | MTU202807       | 40%      | 96.8%          | 96.7%            |
| SAU801263     | MGE100289       | 25%      | 19.8%          | 24.6%            |
| SAU801263     | NGO100106       | 49%      | 98.8%          | 99.1%            |
| SAU801263     | NME201412       | 49%      | 98.8%          | 99.1%            |
| SAU801263     | PMU101370       | 45%      | 99.3%          | 99.6%            |
| SAU801263     | PRT101177       | 47%      | 98.6%          | 99.1%            |
| SAU801263     | PAE200955       | 48%      | 99.1%          | 99.5%            |
| SAU801263     | PPU108855       | 47%      | 94.9%          | 98.4%            |
| SAU801263     | PSY105509       | 46%      | 99.1%          | 99.5%            |
| SAU801263     | SPA100809       | 43%      | 98.1%          | 100%             |
| SAU801263     | STY103990       | 45%      | 98.1%          | 98.4%            |
| SAU801263     | SAU801263       | 100%     | 100%           | 100%             |
| SAU801263     | SEP201556       | 82%      | 100%           | 100%             |
| SAU801263     | SHA101150       | 83%      | 99.8%          | 99.8%            |
| SAU801263     | SMU101082       | 47%      | 98.8%          | 99.4%            |
| SAU801263     | SPN400243       | 48%      | 98.6%          | 99.0%            |
| SAU801263     | SPY201510       | 47%      | 98.6%          | 98.9%            |
| SAU801263     | TPA100158       | 38%      | 93.1%          | 93.4%            |
| SAU801263     | VCH100859       | 45%      | 99.1%          | 99.6%            |
| SAU801263     | YPS002005       | 44%      | 99.1%          | 99.5%            |
| SAU801264     | BAN108834       | 41%      | 90.5%          | 99.1%            |
| SAU801264     | BAN108033       | 59%      | 99.9%          | 100%             |
| SAU801264     | CAC101590       | 45%      | 93.0%          | 95.0%            |
| SAU801264     | CBO102746       | 46%      | 95.2%          | 94.8%            |
| SAU801264     | CDF103797       | 46%      | 99.4%          | 99.9%            |
| SAU801264     | EFA200457       | 54%      | 99.9%          | 99.9%            |
| SAU801264     | EFM200946       | 55%      | 99.4%          | 99.4%            |
| SAU801264     | LMO102727       | 57%      | 99.6%          | 99.5%            |
| SAU801264     | MGE100031       | 37%      | 87.1%          | 89.7%            |
| SAU801264     | MPN100120       | 37%      | 85.5%          | 86.1%            |
| SAU801264     | SAU801264       | 100%     | 100%           | 100%             |
| SAU801264     | SEP201557       | 90%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801264     | SHA103204       | 91%      | 100%           | 100%             |
| SAU801264     | SMU101474       | 49%      | 99.4%          | 99.5%            |
| SAU801264     | SPN400251       | 49%      | 99.4%          | 99.5%            |
| SAU801264     | SPY201509       | 49%      | 99.4%          | 99.5%            |
| SAU801264     | UUR100379       | 39%      | 83.1%          | 84.4%            |
| SAU801269     | ABA104593       | 42%      | 95.9%          | 77.4%            |
| SAU801269     | BAN113310       | 47%      | 98.2%          | 98.0%            |
| SAU801269     | BAN110029       | 65%      | 100%           | 100%             |
| SAU801269     | BFR11714        | 43%      | 99.0%          | 73.5%            |
| SAU801269     | BPT100248       | 47%      | 91.6%          | 73.7%            |
| SAU801269     | BBU100800       | 45%      | 90.6%          | 72.1%            |
| SAU801269     | BCE101969       | 52%      | 82.7%          | 80.2%            |
| SAU801269     | BFU100867       | 50%      | 89.2%          | 63.8%            |
| SAU801269     | BMA109716       | 48%      | 92.8%          | 67.6%            |
| SAU801269     | CJU100125       | 43%      | 15.3%          | 2.2%             |
| SAU801269     | CPN200434       | 41%      | 92.1%          | 74.4%            |
| SAU801269     | CTR200365       | 42%      | 89.8%          | 71.7%            |
| SAU801269     | CAC100425       | 52%      | 100%           | 99.7%            |
| SAU801269     | CBO103185       | 54%      | 100%           | 97.9%            |
| SAU801269     | CDF102888       | 58%      | 81.4%          | 89.3%            |
| SAU801269     | CDP100479       | 50%      | 81.6%          | 96.7%            |
| SAU801269     | EBC101431       | 48%      | 99.6%          | 79.5%            |
| SAU801269     | EFA200621       | 61%      | 9.9%           | 0.9%             |
| SAU801269     | EFM201052       | 62%      | 94.5%          | 95.8%            |
| SAU801269     | ECO103100       | 48%      | 99.6%          | 77.3%            |
| SAU801269     | HIN101252       | 47%      | 100%           | 84.8%            |
| SAU801269     | HPY101031       | 44%      | 94.6%          | 68.3%            |
| SAU801269     | KPN301426       | 48%      | 99.0%          | 83.6%            |
| SAU801269     | LPN102343       | 53%      | 61.6%          | 99.5%            |
| SAU801269     | LMO100282       | 63%      | 100%           | 99.9%            |
| SAU801269     | MCA100802       | 46%      | 93.8%          | 75.8%            |
| SAU801269     | MAV100286       | 48%      | 81.6%          | 96.1%            |
| SAU801269     | MBV104310       | 50%      | 61.6%          | 99.8%            |
| SAU801269     | MLP100953       | 49%      | 81.6%          | 63.4%            |
| SAU801269     | MTU202801       | 49%      | 81.6%          | 65.1%            |
| SAU801269     | MGE100144       | 46%      | 81.8%          | 92.9%            |
| SAU801269     | MPN100676       | 42%      | 86.4%          | 99.4%            |
| SAU801269     | NGO101494       | 47%      | 93.2%          | 84.0%            |
| SAU801269     | NME201748       | 48%      | 92.1%          | 68.2%            |
| SAU801269     | PMU100759       | 46%      | 100%           | 84.2%            |
| SAU801269     | PRT102425       | 52%      | 90.5%          | 68.3%            |
| SAU801269     | PAE204740       | 48%      | 92.9%          | 77.4%            |
| SAU801269     | PPU108488       | 46%      | 94.9%          | 79.4%            |
| SAU801269     | PSY104832       | 51%      | 78.6%          | 99.6%            |
| SAU801269     | SPA101256       | 53%      | 65.4%          | 99.6%            |
| SAU801269     | STY101473       | 48%      | 99.6%          | 77.1%            |
| SAU801269     | SAU801269       | 100%     | 100%           | 100%             |
| SAU801269     | SEP201562       | 87%      | 100%           | 98.9%            |
| SAU801269     | SHA100514       | 87%      | 100%           | 98.9%            |
| SAU801269     | SMU100784       | 57%      | 16.0%          | 4.6%             |
| SAU801269     | SPN400481       | 56%      | 16.2%          | 3.2%             |
| SAU801269     | SPY201321       | 55%      | 15.5%          | 10.2%            |
| SAU801269     | TPA100881       | 49%      | 87.7%          | 74.0%            |
| SAU801269     | UUR100322       | 48%      | 85.2%          | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801269     | VCH100631       | 48%      | 99.6%          | 76.8%            |
| SAU801269     | YPS001051       | 49%      | 96.9%          | 75.1%            |
| SAU801273     | ABA104153       | 55%      | 100%           | 100%             |
| SAU801273     | BAN112139       | 78%      | 100%           | 100%             |
| SAU801273     | BAN112261       | 78%      | 100%           | 100%             |
| SAU801273     | BFR101219       | 61%      | 34.8%          | 96.9%            |
| SAU801273     | BPT102559       | 51%      | 100%           | 100%             |
| SAU801273     | BBU100803       | 50%      | 97.8%          | 98.9%            |
| SAU801273     | BCE114521       | 53%      | 100%           | 100%             |
| SAU801273     | BFU106341       | 53%      | 98.9%          | 97.8%            |
| SAU801273     | BMA104593       | 53%      | 100%           | 100%             |
| SAU801273     | CJU100816       | 48%      | 98.9%          | 97.8%            |
| SAU801273     | CPN200838       | 49%      | 100%           | 100%             |
| SAU801273     | CTR200226       | 49%      | 100%           | 100%             |
| SAU801273     | CAC101338       | 58%      | 97.8%          | 100%             |
| SAU801273     | CBO102464       | 59%      | 100%           | 85.6%            |
| SAU801273     | CDF100875       | 71%      | 92.1%          | 96.5%            |
| SAU801273     | CDP100449       | 60%      | 100%           | 100%             |
| SAU801273     | EBC103888       | 55%      | 100%           | 100%             |
| SAU801273     | EFA202022       | 77%      | 100%           | 100%             |
| SAU801273     | EFM202414       | 76%      | 100%           | 100%             |
| SAU801273     | ECO103097       | 55%      | 100%           | 100%             |
| SAU801273     | HIN101437       | 53%      | 100%           | 100%             |
| SAU801273     | HIN101294       | 53%      | 100%           | 100%             |
| SAU801273     | HPY101023       | 50%      | 98.9%          | 97.8%            |
| SAU801273     | KPN301430       | 56%      | 100%           | 100%             |
| SAU801273     | LPN100705       | 45%      | 69.7%          | 95.4%            |
| SAU801273     | LMO101938       | 80%      | 100%           | 100%             |
| SAU801273     | MCA100389       | 53%      | 100%           | 100%             |
| SAU801273     | MAV100300       | 57%      | 100%           | 100%             |
| SAU801273     | MBV101245       | 59%      | 100%           | 100%             |
| SAU801273     | MLP100514       | 60%      | 100%           | 100%             |
| SAU801273     | MTU202747       | 59%      | 100%           | 100%             |
| SAU801273     | MGE100434       | 45%      | 91.0%          | 94.2%            |
| SAU801273     | MPN100220       | 44%      | 91.0%          | 94.2%            |
| SAU801273     | NGO100722       | 52%      | 100%           | 100%             |
| SAU801273     | NME200754       | 52%      | 100%           | 100%             |
| SAU801273     | PMU100301       | 53%      | 100%           | 100%             |
| SAU801273     | PRT102435       | 57%      | 100%           | 100%             |
| SAU801273     | PAE204737       | 56%      | 100%           | 100%             |
| SAU801273     | PPU105055       | 56%      | 100%           | 100%             |
| SAU801273     | PSY104828       | 55%      | 70.8%          | 100%             |
| SAU801273     | SPA101259       | 51%      | 100%           | 100%             |
| SAU801273     | STY101470       | 53%      | 100%           | 100%             |
| SAU801273     | SAU801273       | 100%     | 100%           | 100%             |
| SAU801273     | SEP201566       | 93%      | 100%           | 100%             |
| SAU801273     | SHA100171       | 94%      | 100%           | 100%             |
| SAU801273     | SMU101327       | 65%      | 100%           | 100%             |
| SAU801273     | SPN401466       | 67%      | 100%           | 100%             |
| SAU801273     | SPY201503       | 65%      | 100%           | 100%             |
| SAU801273     | TPA100877       | 48%      | 100%           | 100%             |
| SAU801273     | UUR100204       | 44%      | 98.9%          | 98.9%            |
| SAU801273     | VCH100634       | 59%      | 100%           | 100%             |
| SAU801273     | YPS006344       | 53%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801274     | ABA106110       | 46%      | 98.6%          | 98.3%            |
| SAU801274     | BAN109088       | 42%      | 99.7%          | 98.9%            |
| SAU801274     | BAN100469       | 66%      | 99.7%          | 97.3%            |
| SAU801274     | BFR11379        | 47%      | 97.9%          | 89.2%            |
| SAU801274     | BPT102560       | 49%      | 99.0%          | 96.5%            |
| SAU801274     | BBU100804       | 45%      | 98.3%          | 98.6%            |
| SAU801274     | BCE107587       | 48%      | 99.1%          | 97.3%            |
| SAU801274     | BFU106344       | 47%      | 99.1%          | 97.2%            |
| SAU801274     | BMA106616       | 48%      | 97.7%          | 89.6%            |
| SAU801274     | CJU101178       | 41%      | 95.7%          | 96.9%            |
| SAU801274     | CPN200839       | 46%      | 98.1%          | 98.3%            |
| SAU801274     | CTR200225       | 46%      | 98.0%          | 98.1%            |
| SAU801274     | CAC102635       | 52%      | 98.3%          | 97.3%            |
| SAU801274     | CBO102281       | 52%      | 98.3%          | 97.6%            |
| SAU801274     | CDF100877       | 56%      | 99.3%          | 98.4%            |
| SAU801274     | CDP100447       | 44%      | 97.4%          | 95.2%            |
| SAU801274     | EBC103885       | 49%      | 99.1%          | 96.8%            |
| SAU801274     | EFA202028       | 62%      | 99.3%          | 98.6%            |
| SAU801274     | EFM200260       | 62%      | 99.3%          | 94.3%            |
| SAU801274     | ECO103096       | 49%      | 99.1%          | 93.9%            |
| SAU801274     | HIN100220       | 48%      | 98.3%          | 96.3%            |
| SAU801274     | HPY101196       | 38%      | 95.0%          | 96.2%            |
| SAU801274     | KPN301429       | 49%      | 99.1%          | 96.9%            |
| SAU801274     | LPN101324       | 50%      | 97.1%          | 92.6%            |
| SAU801274     | LMO100657       | 66%      | 99.6%          | 96.0%            |
| SAU801274     | MCA100390       | 49%      | 98.4%          | 98.7%            |
| SAU801274     | MAV100299       | 44%      | 96.8%          | 93.7%            |
| SAU801274     | MBV101241       | 45%      | 96.8%          | 94.0%            |
| SAU801274     | MLP100515       | 43%      | 96.8%          | 91.8%            |
| SAU801274     | MTU202745       | 45%      | 96.8%          | 94.0%            |
| SAU801274     | NGO102045       | 49%      | 99.7%          | 98.3%            |
| SAU801274     | NME200892       | 49%      | 99.3%          | 98.0%            |
| SAU801274     | PMU101114       | 48%      | 97.3%          | 95.1%            |
| SAU801274     | PRT102434       | 48%      | 98.3%          | 96.3%            |
| SAU801274     | PAE204736       | 50%      | 97.0%          | 96.4%            |
| SAU801274     | PPU105054       | 50%      | 98.3%          | 97.9%            |
| SAU801274     | PSY104827       | 47%      | 83.7%          | 97.8%            |
| SAU801274     | SPA101063       | 45%      | 11.7%          | 55.2%            |
| SAU801274     | STY100979       | 49%      | 98.6%          | 96.3%            |
| SAU801274     | SAU801274       | 100%     | 100%           | 100%             |
| SAU801274     | SEP201567       | 91%      | 100%           | 99.6%            |
| SAU801274     | SHA100393       | 52%      | 26.6%          | 100%             |
| SAU801274     | SHA101099       | 91%      | 99.1%          | 100%             |
| SAU801274     | SMU101329       | 58%      | 99.1%          | 94.9%            |
| SAU801274     | SPN400516       | 57%      | 99.1%          | 89.4%            |
| SAU801274     | SPY201498       | 58%      | 99.1%          | 97.6%            |
| SAU801274     | TPA100876       | 44%      | 97.0%          | 96.0%            |
| SAU801274     | VCH100635       | 49%      | 99.6%          | 97.7%            |
| SAU801274     | YPS001047       | 49%      | 98.0%          | 96.6%            |
| SAU801275     | BAN106546       | 41%      | 99.3%          | 99.1%            |
| SAU801275     | BAN109546       | 51%      | 99.3%          | 99.6%            |
| SAU801275     | EFA200747       | 46%      | 98.9%          | 97.9%            |
| SAU801275     | EFM200896       | 45%      | 98.0%          | 97.5%            |
| SAU801275     | LMO100794       | 51%      | 99.1%          | 99.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801275     | SAU801275       | 100%     | 100%           | 100%             |
| SAU801275     | SEP201568       | 93%      | 100%           | 97.4%            |
| SAU801275     | SHA101100       | 91%      | 100%           | 98.1%            |
| SAU801275     | SMU100333       | 43%      | 98.4%          | 99.5%            |
| SAU801275     | SPN400538       | 40%      | 98.2%          | 99.3%            |
| SAU801275     | SPY200771       | 43%      | 98.4%          | 99.5%            |
| SAU801279     | ABA105498       | 21%      | 96.5%          | 45.3%            |
| SAU801279     | BAN107286       | 44%      | 97.0%          | 97.2%            |
| SAU801279     | BAN100894       | 46%      | 97.0%          | 97.0%            |
| SAU801279     | BFR10509        | 27%      | 47.2%          | 47.2%            |
| SAU801279     | BPT103765       | 24%      | 96.5%          | 44.3%            |
| SAU801279     | BBU100535       | 29%      | 58.9%          | 27.4%            |
| SAU801279     | CJU100744       | 22%      | 85.3%          | 86.1%            |
| SAU801279     | CPN200887       | 23%      | 44.6%          | 19.9%            |
| SAU801279     | CTR200185       | 25%      | 46.0%          | 20.6%            |
| SAU801279     | CAC101568       | 23%      | 67.3%          | 32.7%            |
| SAU801279     | CBO100728       | 23%      | 95.3%          | 88.2%            |
| SAU801279     | CDF103715       | 39%      | 99.8%          | 98.8%            |
| SAU801279     | EBC102726       | 21%      | 45.1%          | 26.4%            |
| SAU801279     | EFA201528       | 41%      | 96.7%          | 95.9%            |
| SAU801279     | EFM200625       | 40%      | 97.0%          | 97.2%            |
| SAU801279     | ECO101465       | 27%      | 53.0%          | 25.5%            |
| SAU801279     | HIN101334       | 23%      | 52.6%          | 24.6%            |
| SAU801279     | HPY100995       | 22%      | 85.0%          | 81.1%            |
| SAU801279     | KPN305142       | 22%      | 45.8%          | 21.1%            |
| SAU801279     | LPN100962       | 22%      | 64.5%          | 79.0%            |
| SAU801279     | LMO100434       | 41%      | 97.9%          | 97.2%            |
| SAU801279     | MCA101028       | 25%      | 58.6%          | 52.1%            |
| SAU801279     | MAV100298       | 29%      | 38.8%          | 37.2%            |
| SAU801279     | MBV101239       | 26%      | 39.7%          | 39.7%            |
| SAU801279     | MLP100516       | 27%      | 48.4%          | 47.6%            |
| SAU801279     | MTU202744       | 26%      | 39.7%          | 39.7%            |
| SAU801279     | PMU100804       | 23%      | 65.4%          | 30.8%            |
| SAU801279     | PRT105970       | 25%      | 49.5%          | 22.9%            |
| SAU801279     | PAE200371       | 23%      | 91.8%          | 91.0%            |
| SAU801279     | PPU102118       | 22%      | 82.9%          | 81.4%            |
| SAU801279     | PSY102770       | 23%      | 82.9%          | 81.6%            |
| SAU801279     | SPA102439       | 19%      | 55.1%          | 23.9%            |
| SAU801279     | SAU801279       | 100%     | 100%           | 100%             |
| SAU801279     | SEP201578       | 79%      | 99.8%          | 99.5%            |
| SAU801279     | SHA100451       | 80%      | 99.8%          | 99.8%            |
| SAU801279     | SMU101391       | 29%      | 95.3%          | 94.4%            |
| SAU801279     | SPN402026       | 33%      | 94.6%          | 93.7%            |
| SAU801279     | SPY201681       | 31%      | 93.7%          | 93.2%            |
| SAU801279     | TPA100024       | 23%      | 34.8%          | 16.7%            |
| SAU801279     | VCH100544       | 22%      | 93.0%          | 41.7%            |
| SAU801279     | YPS001083       | 21%      | 46.7%          | 20.8%            |
| SAU801280     | BAN105196       | 34%      | 98.7%          | 100%             |
| SAU801280     | BAN100845       | 38%      | 98.7%          | 97.9%            |
| SAU801280     | LMO101523       | 37%      | 98.3%          | 96.3%            |
| SAU801280     | SAU801280       | 100%     | 100%           | 100%             |
| SAU801280     | SEP201580       | 64%      | 100%           | 100%             |
| SAU801280     | SHA100452       | 66%      | 100%           | 100%             |
| SAU801281     | BAN104875       | 55%      | 86.2%          | 97.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801281     | BAN100345       | 62%      | 93.8%          | 98.9%            |
| SAU801281     | SAU801281       | 100%     | 100%           | 100%             |
| SAU801281     | SEP201582       | 89%      | 100%           | 100%             |
| SAU801281     | SHA102814       | 88%      | 100%           | 100%             |
| SAU801282     | ABA105298       | 26%      | 57.7%          | 28.1%            |
| SAU801282     | BAN100109       | 25%      | 93.8%          | 38.1%            |
| SAU801282     | BAN102965       | 26%      | 96.2%          | 42.2%            |
| SAU801282     | BPT104503       | 26%      | 53.1%          | 41.1%            |
| SAU801282     | BCE107711       | 25%      | 57.7%          | 22.2%            |
| SAU801282     | BFU107885       | 25%      | 57.7%          | 20.3%            |
| SAU801282     | BMA105226       | 26%      | 55.4%          | 20%              |
| SAU801282     | CPN200766       | 30%      | 53.1%          | 48.3%            |
| SAU801282     | CTR200272       | 19%      | 97.7%          | 86.8%            |
| SAU801282     | EFA201529       | 38%      | 57.7%          | 26.0%            |
| SAU801282     | EFM201058       | 29%      | 93.8%          | 44.9%            |
| SAU801282     | ECO203392       | 26%      | 61.5%          | 23.7%            |
| SAU801282     | HIN100346       | 20%      | 78.5%          | 29.0%            |
| SAU801282     | LPN100742       | 21%      | 50%            | 34.4%            |
| SAU801282     | LMO100900       | 31%      | 77.7%          | 30.7%            |
| SAU801282     | PMU102009       | 21%      | 88.5%          | 36.8%            |
| SAU801282     | PAE203801       | 25%      | 94.6%          | 31.7%            |
| SAU801282     | PPU101372       | 23%      | 87.7%          | 31.3%            |
| SAU801282     | STY101725       | 23%      | 87.7%          | 35.8%            |
| SAU801282     | SAU801282       | 100%     | 100%           | 100%             |
| SAU801282     | SEP201584       | 62%      | 99.2%          | 99.2%            |
| SAU801282     | SHA100455       | 69%      | 53.1%          | 100%             |
| SAU801282     | SPN402025       | 29%      | 93.8%          | 46.0%            |
| SAU801282     | SPY201680       | 27%      | 76.2%          | 24.6%            |
| SAU801282     | TPA100330       | 34%      | 56.2%          | 18.0%            |
| SAU801282     | VCH100745       | 30%      | 53.8%          | 17.8%            |
| SAU801282     | YPS003236       | 24%      | 87.7%          | 33.6%            |
| SAU801286     | BAN101235       | 48%      | 99.6%          | 99.8%            |
| SAU801286     | BAN102202       | 68%      | 99.2%          | 99.6%            |
| SAU801286     | BFR11955        | 42%      | 99.0%          | 99.8%            |
| SAU801286     | BBU100503       | 45%      | 98.5%          | 98.4%            |
| SAU801286     | BCE102283       | 25%      | 13.9%          | 34.8%            |
| SAU801286     | CJU101134       | 43%      | 99.6%          | 100%             |
| SAU801286     | CTR200895       | 25%      | 24.1%          | 28.6%            |
| SAU801286     | CAC102280       | 58%      | 99.8%          | 99.2%            |
| SAU801286     | CBO100216       | 49%      | 45.7%          | 98.7%            |
| SAU801286     | CDF100051       | 76%      | 21.8%          | 93.4%            |
| SAU801286     | CDF100869       | 58%      | 99.2%          | 97.7%            |
| SAU801286     | EBC104561       | 30%      | 16.2%          | 13.2%            |
| SAU801286     | EFA201506       | 65%      | 99.6%          | 99.8%            |
| SAU801286     | EFM100483       | 63%      | 97.7%          | 100%             |
| SAU801286     | HIN100903       | 33%      | 15.8%          | 12.9%            |
| SAU801286     | HPY100747       | 38%      | 84.4%          | 92.0%            |
| SAU801286     | KPN108885       | 24%      | 27.7%          | 83.9%            |
| SAU801286     | LMO101581       | 68%      | 99.4%          | 99.2%            |
| SAU801286     | MAV108578       | 40%      | 11.2%          | 13.0%            |
| SAU801286     | MBV102427       | 23%      | 32.2%          | 70.2%            |
| SAU801286     | MLP100500       | 30%      | 17.5%          | 22.1%            |
| SAU801286     | MTU201661       | 23%      | 32.2%          | 64.9%            |
| SAU801286     | MGE100132       | 26%      | 46.2%          | 49.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801286     | MPN100564       | 26%      | 47.2%          | 50.5%            |
| SAU801286     | SAU801286       | 100%     | 100%           | 100%             |
| SAU801286     | SEP201589       | 93%      | 100%           | 100%             |
| SAU801286     | SHA101288       | 93%      | 100%           | 100%             |
| SAU801286     | SMU101495       | 54%      | 99.6%          | 100%             |
| SAU801286     | SPN401582       | 54%      | 100%           | 100%             |
| SAU801286     | SPY201258       | 52%      | 99.6%          | 100%             |
| SAU801286     | TPA101008       | 49%      | 98.5%          | 99.2%            |
| SAU801286     | UR100083        | 32%      | 81.9%          | 88.2%            |
| SAU801296     | ABA100502       | 35%      | 99.7%          | 87.6%            |
| SAU801296     | BAN112441       | 36%      | 98.6%          | 89.0%            |
| SAU801296     | BAN105004       | 46%      | 100%           | 88.8%            |
| SAU801296     | BFR102385       | 34%      | 99.5%          | 87.7%            |
| SAU801296     | BPT102145       | 34%      | 99.7%          | 84.4%            |
| SAU801296     | BBU100796       | 29%      | 99.2%          | 88.1%            |
| SAU801296     | BCE113665       | 36%      | 83.9%          | 86.0%            |
| SAU801296     | BFU100247       | 52%      | 18.9%          | 64.9%            |
| SAU801296     | BMA101183       | 35%      | 91.6%          | 77.6%            |
| SAU801296     | CPN200903       | 35%      | 88.4%          | 85.3%            |
| SAU801296     | CTR200169       | 34%      | 88.8%          | 86.5%            |
| SAU801296     | CAC101879       | 43%      | 100%           | 88.6%            |
| SAU801296     | CBO101875       | 42%      | 100%           | 89.3%            |
| SAU801296     | CDF101333       | 41%      | 100%           | 88.6%            |
| SAU801296     | EBC104328       | 36%      | 88.8%          | 85.7%            |
| SAU801296     | EFA201508       | 50%      | 99.9%          | 88.2%            |
| SAU801296     | EFM202291       | 49%      | 99.9%          | 88.5%            |
| SAU801296     | ECO102673       | 37%      | 88.8%          | 81.2%            |
| SAU801296     | HIN100686       | 36%      | 93.7%          | 84.7%            |
| SAU801296     | KPN300176       | 27%      | 15.8%          | 80.9%            |
| SAU801296     | KPN303856       | 36%      | 88.8%          | 81.2%            |
| SAU801296     | LPN100294       | 46%      | 29.6%          | 76.8%            |
| SAU801296     | LMO102476       | 52%      | 99.9%          | 88.5%            |
| SAU801296     | NGO100025       | 34%      | 99.9%          | 88.8%            |
| SAU801296     | NME200231       | 35%      | 99.9%          | 88.0%            |
| SAU801296     | PMU101830       | 35%      | 99.4%          | 87.8%            |
| SAU801296     | PRT104418       | 35%      | 99.4%          | 87.2%            |
| SAU801296     | PAE203618       | 35%      | 89.0%          | 81.4%            |
| SAU801296     | PPU106720       | 34%      | 99.7%          | 88.1%            |
| SAU801296     | PSY104425       | 36%      | 89.0%          | 81.4%            |
| SAU801296     | SPA101071       | 34%      | 87.6%          | 92.6%            |
| SAU801296     | STY103352       | 37%      | 88.8%          | 81.1%            |
| SAU801296     | STM103830       | 37%      | 88.8%          | 81.1%            |
| SAU801296     | SAU801296       | 100%     | 100%           | 100%             |
| SAU801296     | SEP201609       | 79%      | 100%           | 88.4%            |
| SAU801296     | SHA101666       | 82%      | 88.2%          | 87.8%            |
| SAU801296     | SMU101244       | 43%      | 99.9%          | 88.2%            |
| SAU801296     | SPN401885       | 43%      | 99.9%          | 86.8%            |
| SAU801296     | SPY201640       | 42%      | 99.9%          | 88.2%            |
| SAU801296     | TPA100324       | 34%      | 100%           | 87.8%            |
| SAU801296     | VCH100525       | 37%      | 88.6%          | 80.5%            |
| SAU801296     | YPS000071       | 38%      | 88.8%          | 81.4%            |
| SAU801297     | ABA100436       | 30%      | 99.4%          | 98.3%            |
| SAU801297     | BAN110763       | 44%      | 97.5%          | 100%             |
| SAU801297     | BAN112909       | 46%      | 99.9%          | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801297     | BFR100255       | 29%      | 98.7%          | 98.9%            |
| SAU801297     | BPT102215       | 35%      | 99.3%          | 98.7%            |
| SAU801297     | BBU100210       | 30%      | 99.7%          | 99.8%            |
| SAU801297     | BCE101069       | 39%      | 99.3%          | 96.4%            |
| SAU801297     | BFU105240       | 39%      | 99.3%          | 95.2%            |
| SAU801297     | BMA108596       | 38%      | 99.3%          | 95.5%            |
| SAU801297     | CPN201040       | 31%      | 87.0%          | 86.4%            |
| SAU801297     | CTR200853       | 35%      | 48.7%          | 56.6%            |
| SAU801297     | CAC102986       | 33%      | 99.6%          | 99.7%            |
| SAU801297     | CBO103041       | 32%      | 99.9%          | 99.8%            |
| SAU801297     | CDF101334       | 34%      | 98.2%          | 98.0%            |
| SAU801297     | EBC102001       | 41%      | 96.4%          | 96.1%            |
| SAU801297     | EFA201509       | 43%      | 99.9%          | 99.4%            |
| SAU801297     | EFM201334       | 45%      | 99.9%          | 99.4%            |
| SAU801297     | ECO104060       | 38%      | 49.2%          | 54.5%            |
| SAU801297     | HIN100066       | 28%      | 83.0%          | 84.3%            |
| SAU801297     | KPN300048       | 43%      | 25.0%          | 99.4%            |
| SAU801297     | KPN301336       | 39%      | 50.4%          | 55.4%            |
| SAU801297     | LPN100571       | 38%      | 48.9%          | 57.3%            |
| SAU801297     | LMO100388       | 49%      | 99.6%          | 99.3%            |
| SAU801297     | NGO100175       | 31%      | 99.7%          | 99.7%            |
| SAU801297     | NME201515       | 30%      | 99.7%          | 99.7%            |
| SAU801297     | PMU100904       | 40%      | 48.0%          | 52.8%            |
| SAU801297     | PRT104001       | 28%      | 92.1%          | 91.9%            |
| SAU801297     | PAE204941       | 39%      | 99.4%          | 98.9%            |
| SAU801297     | PPU106702       | 40%      | 99.4%          | 98.9%            |
| SAU801297     | PSY101062       | 40%      | 99.4%          | 96.4%            |
| SAU801297     | SPA101227       | 48%      | 28.4%          | 73.3%            |
| SAU801297     | STY103745       | 40%      | 47.8%          | 53.4%            |
| SAU801297     | STM103526       | 40%      | 47.8%          | 53.4%            |
| SAU801297     | SAU801297       | 100%     | 100%           | 100%             |
| SAU801297     | SEP201920       | 75%      | 100%           | 100%             |
| SAU801297     | SHA101443       | 75%      | 100%           | 100%             |
| SAU801297     | SMU101239       | 42%      | 99.9%          | 98.0%            |
| SAU801297     | SPN400160       | 40%      | 99.9%          | 98.0%            |
| SAU801297     | SPY201621       | 41%      | 99.9%          | 98.0%            |
| SAU801297     | TPA100300       | 34%      | 99.3%          | 94.3%            |
| SAU801297     | UUR100579       | 22%      | 24.8%          | 33.6%            |
| SAU801297     | VCH100340       | 29%      | 87.9%          | 88.4%            |
| SAU801297     | YPS003494       | 39%      | 47.8%          | 51.8%            |
| SAU801301     | ABA103732       | 60%      | 98.8%          | 98.0%            |
| SAU801301     | BAN107568       | 66%      | 41.6%          | 93.2%            |
| SAU801301     | BAN110463       | 78%      | 79.1%          | 99.5%            |
| SAU801301     | BPT102742       | 50%      | 98.6%          | 97.2%            |
| SAU801301     | BBU100240       | 56%      | 97.8%          | 97.2%            |
| SAU801301     | BCE105610       | 30%      | 96.6%          | 95.3%            |
| SAU801301     | BFU103471       | 55%      | 99.2%          | 98.8%            |
| SAU801301     | BMA108603       | 55%      | 99.2%          | 95.2%            |
| SAU801301     | CAC100927       | 58%      | 99.0%          | 99.2%            |
| SAU801301     | CBO103256       | 63%      | 98.2%          | 96.1%            |
| SAU801301     | CDF103106       | 63%      | 99.8%          | 98.2%            |
| SAU801301     | CDP100653       | 50%      | 98.4%          | 98.2%            |
| SAU801301     | EBC104504       | 61%      | 98.2%          | 97.4%            |
| SAU801301     | EFA202255       | 64%      | 99.4%          | 98.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801301     | EFM201617       | 62%      | 96.2%          | 99.8%            |
| SAU801301     | ECO103832       | 61%      | 99.4%          | 98.6%            |
| SAU801301     | HIN100672       | 58%      | 98.2%          | 97.2%            |
| SAU801301     | HPY200804       | 33%      | 10.8%          | 19.2%            |
| SAU801301     | KPN300967       | 61%      | 98.2%          | 97.2%            |
| SAU801301     | LPN100925       | 47%      | 97.6%          | 98.0%            |
| SAU801301     | LMO101597       | 69%      | 99.4%          | 99.6%            |
| SAU801301     | MAV103198       | 51%      | 98.4%          | 97.6%            |
| SAU801301     | MBV104620       | 51%      | 98.2%          | 99%              |
| SAU801301     | MLP101379       | 50%      | 98.4%          | 97.6%            |
| SAU801301     | MTU203642       | 51%      | 98.2%          | 95.7%            |
| SAU801301     | MGE100038       | 47%      | 99.4%          | 98.6%            |
| SAU801301     | MPN100104       | 48%      | 98.6%          | 97.8%            |
| SAU801301     | PMU101446       | 59%      | 99.8%          | 99.0%            |
| SAU801301     | PRT101873       | 60%      | 98.8%          | 96.7%            |
| SAU801301     | PAE203580       | 61%      | 98.8%          | 97.4%            |
| SAU801301     | PPU101510       | 61%      | 98.8%          | 97.4%            |
| SAU801301     | PSY105188       | 60%      | 98.8%          | 97.0%            |
| SAU801301     | SPA101671       | 59%      | 99.4%          | 98.8%            |
| SAU801301     | STY103131       | 61%      | 99.4%          | 98.8%            |
| SAU801301     | SAU801301       | 100%     | 100%           | 100%             |
| SAU801301     | SEP201925       | 86%      | 100%           | 99.8%            |
| SAU801301     | SHA100389       | 86%      | 100%           | 99.8%            |
| SAU801301     | SPN401988       | 63%      | 99.2%          | 98.4%            |
| SAU801301     | SPY201295       | 64%      | 99.8%          | 97.8%            |
| SAU801301     | VCH103465       | 58%      | 99.2%          | 97.8%            |
| SAU801301     | YPS003517       | 39%      | 97.4%          | 97.4%            |
| SAU801303     | BAN106168       | 27%      | 98.4%          | 96.8%            |
| SAU801303     | BAN103220       | 31%      | 98.4%          | 98.7%            |
| SAU801303     | BFR103324       | 24%      | 48.7%          | 37.1%            |
| SAU801303     | CAC101453       | 33%      | 35.2%          | 30.9%            |
| SAU801303     | CBO101891       | 31%      | 100%           | 99.0%            |
| SAU801303     | CDF101626       | 34%      | 39.1%          | 77.8%            |
| SAU801303     | CDP100635       | 25%      | 87.8%          | 85.8%            |
| SAU801303     | EBC103957       | 30%      | 46.4%          | 43.6%            |
| SAU801303     | EFA202448       | 32%      | 98.0%          | 98.4%            |
| SAU801303     | ECO103737       | 28%      | 40.5%          | 37.1%            |
| SAU801303     | HIN100626       | 21%      | 88.5%          | 81.8%            |
| SAU801303     | KPN303520       | 28%      | 46.4%          | 43.6%            |
| SAU801303     | LPN102659       | 25%      | 31.6%          | 31.8%            |
| SAU801303     | LMO101007       | 32%      | 97.4%          | 97.4%            |
| SAU801303     | MCA103128       | 27%      | 88.8%          | 100%             |
| SAU801303     | MAV102145       | 21%      | 90.5%          | 90.3%            |
| SAU801303     | NME300873       | 22%      | 46.7%          | 51.6%            |
| SAU801303     | PAE203299       | 29%      | 98.7%          | 95.6%            |
| SAU801303     | PPU108432       | 29%      | 98.7%          | 96.5%            |
| SAU801303     | SPA101172       | 28%      | 46.4%          | 42.6%            |
| SAU801303     | STY102009       | 30%      | 48.0%          | 44.4%            |
| SAU801303     | STM101115       | 30%      | 48.0%          | 44.4%            |
| SAU801303     | SAU801303       | 100%     | 100%           | 100%             |
| SAU801303     | SEP201929       | 51%      | 100%           | 99.4%            |
| SAU801303     | SHA102823       | 55%      | 98.7%          | 98.0%            |
| SAU801303     | VCH100134       | 26%      | 30.6%          | 28.4%            |
| SAU801303     | YPS001338       | 25%      | 48.0%          | 44.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801310     | ABA100417       | 35%      | 96.9%          | 98.1%            |
| SAU801310     | BAN105748       | 72%      | 98.9%          | 99.3%            |
| SAU801310     | BAN104448       | 75%      | 98.9%          | 99.3%            |
| SAU801310     | BFR11190        | 26%      | 91.0%          | 86.4%            |
| SAU801310     | BPT102675       | 37%      | 97.3%          | 92.8%            |
| SAU801310     | BCE102837       | 39%      | 84.1%          | 85.6%            |
| SAU801310     | BFU101392       | 37%      | 93.0%          | 99.1%            |
| SAU801310     | BMA100200       | 39%      | 84.1%          | 85.6%            |
| SAU801310     | CJU100649       | 38%      | 93.0%          | 93.5%            |
| SAU801310     | CAC103422       | 34%      | 27.6%          | 19.7%            |
| SAU801310     | CBO100732       | 23%      | 85.9%          | 70.9%            |
| SAU801310     | CDF100645       | 29%      | 21.5%          | 19.9%            |
| SAU801310     | CDP100410       | 37%      | 88.8%          | 89.3%            |
| SAU801310     | EBC103135       | 40%      | 88.1%          | 89.3%            |
| SAU801310     | EFA201729       | 71%      | 100%           | 100%             |
| SAU801310     | EFM202549       | 71%      | 100%           | 100%             |
| SAU801310     | ECO103776       | 39%      | 90.6%          | 91.7%            |
| SAU801310     | HIN100845       | 39%      | 88.6%          | 89.2%            |
| SAU801310     | HPY100507       | 36%      | 93.3%          | 93.8%            |
| SAU801310     | KPN301351       | 40%      | 88.1%          | 89.3%            |
| SAU801310     | LPN101888       | 34%      | 97.8%          | 99.1%            |
| SAU801310     | LMO101667       | 75%      | 98.9%          | 99.3%            |
| SAU801310     | MCA100914       | 38%      | 87.2%          | 88.7%            |
| SAU801310     | MAV103088       | 42%      | 97.8%          | 98.7%            |
| SAU801310     | MBV103559       | 42%      | 97.8%          | 98.7%            |
| SAU801310     | MLP100995       | 43%      | 97.8%          | 98.7%            |
| SAU801310     | MTU202188       | 42%      | 97.8%          | 98.7%            |
| SAU801310     | NGO100777       | 38%      | 87.4%          | 82.0%            |
| SAU801310     | NME201965       | 38%      | 87.4%          | 88.8%            |
| SAU801310     | PMU101175       | 38%      | 92.6%          | 92.8%            |
| SAU801310     | PRT102825       | 39%      | 88.1%          | 89.3%            |
| SAU801310     | PAE205114       | 37%      | 95.7%          | 97.4%            |
| SAU801310     | PPU106798       | 36%      | 95.7%          | 97.6%            |
| SAU801310     | PSY103100       | 37%      | 95.7%          | 97.6%            |
| SAU801310     | SPA103892       | 39%      | 90.6%          | 91.7%            |
| SAU801310     | STY103416       | 40%      | 90.6%          | 91.7%            |
| SAU801310     | SAU801310       | 100%     | 100%           | 100%             |
| SAU801310     | SEP201943       | 95%      | 100%           | 100%             |
| SAU801310     | SHA100843       | 94%      | 89.2%          | 100%             |
| SAU801310     | SMU100694       | 66%      | 98.7%          | 99.3%            |
| SAU801310     | SPN400444       | 65%      | 98.7%          | 99.3%            |
| SAU801310     | SPY201446       | 64%      | 98.7%          | 99.3%            |
| SAU801310     | VCH102707       | 38%      | 92.8%          | 93.6%            |
| SAU801310     | YPS001320       | 38%      | 88.8%          | 90.0%            |
| SAU801321     | BAN105583       | 26%      | 97.8%          | 94.7%            |
| SAU801321     | BAN102074       | 29%      | 94.2%          | 90.7%            |
| SAU801321     | CAC102608       | 24%      | 88.4%          | 89.4%            |
| SAU801321     | EFM101112       | 28%      | 53.4%          | 60.4%            |
| SAU801321     | MGE100396       | 23%      | 27.8%          | 76.5%            |
| SAU801321     | SAU801321       | 100%     | 100%           | 100%             |
| SAU801321     | SEP201965       | 50%      | 97.5%          | 97.3%            |
| SAU801321     | SHA102754       | 50%      | 73.0%          | 99.3%            |
| SAU801321     | SMU101032       | 36%      | 61.2%          | 95.7%            |
| SAU801321     | SPN401813       | 30%      | 92.0%          | 91.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801321     | UUR100029       | 23%      | 39.9%          | 56.7%            |
| SAU801322     | BAN105174       | 44%      | 79.5%          | 100%             |
| SAU801322     | BAN104200       | 45%      | 100%           | 100%             |
| SAU801322     | SAU801322       | 100%     | 100%           | 100%             |
| SAU801322     | SEP201967       | 69%      | 100%           | 100%             |
| SAU801322     | SHA100761       | 69%      | 100%           | 100%             |
| SAU801322     | SMU101030       | 49%      | 98%            | 98.5%            |
| SAU801322     | SPN401812       | 50%      | 98.5%          | 99.0%            |
| SAU801330     | BAN111952       | 38%      | 84.9%          | 91.5%            |
| SAU801330     | BAN108525       | 43%      | 90.1%          | 89.2%            |
| SAU801330     | CJU100123       | 26%      | 96.1%          | 98.6%            |
| SAU801330     | CAC103773       | 29%      | 85.5%          | 86.5%            |
| SAU801330     | CBO102527       | 33%      | 88.8%          | 87.7%            |
| SAU801330     | CDF102912       | 34%      | 93.8%          | 93%              |
| SAU801330     | CDP100062       | 31%      | 84.9%          | 84.4%            |
| SAU801330     | EBC102666       | 26%      | 89.5%          | 90.3%            |
| SAU801330     | EFA200377       | 41%      | 96.7%          | 99.3%            |
| SAU801330     | ECO100003       | 26%      | 89.5%          | 90%              |
| SAU801330     | HIN100087       | 30%      | 85.2%          | 86.3%            |
| SAU801330     | HPY101033       | 24%      | 95.7%          | 97.6%            |
| SAU801330     | KPN302083       | 27%      | 89.5%          | 90.3%            |
| SAU801330     | LMO102232       | 39%      | 96.7%          | 99.0%            |
| SAU801330     | MAV106529       | 30%      | 85.5%          | 84.6%            |
| SAU801330     | MBV105500       | 28%      | 86.5%          | 71.7%            |
| SAU801330     | MLP100697       | 30%      | 86.5%          | 84.4%            |
| SAU801330     | MTU201279       | 28%      | 86.5%          | 84.2%            |
| SAU801330     | PMU100114       | 29%      | 85.2%          | 86.3%            |
| SAU801330     | PRT105493       | 28%      | 85.2%          | 86.1%            |
| SAU801330     | SPA100290       | 26%      | 90.1%          | 91.2%            |
| SAU801330     | STY100368       | 26%      | 89.5%          | 90.3%            |
| SAU801330     | STM100041       | 26%      | 89.5%          | 90.3%            |
| SAU801330     | SAU801330       | 100%     | 100%           | 100%             |
| SAU801330     | SEP201983       | 67%      | 99.7%          | 99.0%            |
| SAU801330     | SHA100711       | 70%      | 99.7%          | 99.3%            |
| SAU801330     | SMU100986       | 40%      | 96.7%          | 98.6%            |
| SAU801330     | SPN401217       | 40%      | 96.7%          | 98.6%            |
| SAU801330     | VCH102328       | 30%      | 87.5%          | 87.4%            |
| SAU801330     | YPS000770       | 26%      | 85.2%          | 86.1%            |
| SAU801331     | BAN105201       | 34%      | 98.9%          | 100%             |
| SAU801331     | BAN104169       | 39%      | 98.9%          | 96.7%            |
| SAU801331     | BFR104366       | 30%      | 98.1%          | 94.9%            |
| SAU801331     | BFR11663        | 34%      | 98.9%          | 64.9%            |
| SAU801331     | BPT104731       | 21%      | 89.5%          | 82.6%            |
| SAU801331     | BCE113428       | 44%      | 20.2%          | 60%              |
| SAU801331     | BFU104191       | 25%      | 98.5%          | 96.3%            |
| SAU801331     | CAC103083       | 29%      | 98.9%          | 98.5%            |
| SAU801331     | CBO101559       | 29%      | 98.9%          | 98.5%            |
| SAU801331     | CDF103997       | 30%      | 98.9%          | 96.4%            |
| SAU801331     | EBC104368       | 28%      | 98.5%          | 98.1%            |
| SAU801331     | EFA201290       | 32%      | 98.5%          | 98.9%            |
| SAU801331     | EFM100732       | 29%      | 93.3%          | 98.8%            |
| SAU801331     | ECO103618       | 28%      | 97.8%          | 97.4%            |
| SAU801331     | HIN100003       | 28%      | 98.1%          | 97.7%            |
| SAU801331     | HPY200593       | 32%      | 34.8%          | 45.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801331     | KPN302267       | 28%      | 97.8%          | 97.4%            |
| SAU801331     | LMO102909       | 33%      | 98.5%          | 98.2%            |
| SAU801331     | MCA102858       | 42%      | 26.2%          | 29.3%            |
| SAU801331     | PMU101555       | 25%      | 97.8%          | 94.4%            |
| SAU801331     | PRT100132       | 28%      | 98.5%          | 98.9%            |
| SAU801331     | PAE204955       | 27%      | 50.6%          | 30.3%            |
| SAU801331     | PPU111047       | 27%      | 40.8%          | 27.2%            |
| SAU801331     | SPA101786       | 28%      | 97.8%          | 92.0%            |
| SAU801331     | STY103971       | 28%      | 97.8%          | 97.4%            |
| SAU801331     | STM101116       | 27%      | 98.5%          | 98.5%            |
| SAU801331     | SAU801331       | 100%     | 100%           | 100%             |
| SAU801331     | SEP201985       | 71%      | 100%           | 99.6%            |
| SAU801331     | SHA100712       | 67%      | 100%           | 100%             |
| SAU801331     | SMU101554       | 31%      | 97.8%          | 97.4%            |
| SAU801331     | SPN401169       | 29%      | 97.4%          | 97.4%            |
| SAU801331     | SPY200445       | 30%      | 97.8%          | 97.4%            |
| SAU801331     | UUR100576       | 24%      | 95.9%          | 95.7%            |
| SAU801331     | VCH101344       | 31%      | 98.1%          | 96.3%            |
| SAU801331     | YPS003424       | 30%      | 98.5%          | 98.5%            |
| SAU801342     | ABA100381       | 46%      | 98.5%          | 98.0%            |
| SAU801342     | BAN111549       | 56%      | 57.1%          | 100%             |
| SAU801342     | BAN102492       | 60%      | 100%           | 97.8%            |
| SAU801342     | BFR11813        | 40%      | 98.8%          | 98.5%            |
| SAU801342     | BPT100911       | 44%      | 98.0%          | 97.6%            |
| SAU801342     | BCE113404       | 46%      | 98.0%          | 95.2%            |
| SAU801342     | BFU103444       | 46%      | 98.2%          | 96.4%            |
| SAU801342     | BMA106204       | 46%      | 98.0%          | 95.2%            |
| SAU801342     | CJU101551       | 44%      | 98.9%          | 98.9%            |
| SAU801342     | CPN200956       | 46%      | 98.0%          | 97.3%            |
| SAU801342     | CTR200126       | 45%      | 98.3%          | 97.4%            |
| SAU801342     | CAC102328       | 54%      | 98.3%          | 97.9%            |
| SAU801342     | CAC101106       | 54%      | 99.2%          | 98.8%            |
| SAU801342     | CBO103315       | 34%      | 99.1%          | 98.6%            |
| SAU801342     | CDF103784       | 36%      | 40.0%          | 93.5%            |
| SAU801342     | CDP100257       | 45%      | 98.9%          | 95.7%            |
| SAU801342     | EBC103706       | 45%      | 98.5%          | 98.6%            |
| SAU801342     | EFA201838       | 59%      | 98.5%          | 99.7%            |
| SAU801342     | EFM200992       | 29%      | 20.8%          | 23.3%            |
| SAU801342     | ECO102870       | 45%      | 98.5%          | 98.6%            |
| SAU801342     | HIN101002       | 48%      | 98.2%          | 98.2%            |
| SAU801342     | HPY101071       | 44%      | 99.5%          | 98.3%            |
| SAU801342     | KPN303075       | 45%      | 98.5%          | 98.6%            |
| SAU801342     | LPN102231       | 62%      | 27.3%          | 95.3%            |
| SAU801342     | LPN102506       | 45%      | 95.5%          | 99.1%            |
| SAU801342     | LMO101346       | 61%      | 100%           | 100%             |
| SAU801342     | MCA100777       | 45%      | 98.5%          | 96.7%            |
| SAU801342     | MAV101560       | 44%      | 98.8%          | 96.0%            |
| SAU801342     | MBV100248       | 42%      | 98.8%          | 96%              |
| SAU801342     | MLP100366       | 44%      | 98.9%          | 96.1%            |
| SAU801342     | MTU201430       | 42%      | 98.8%          | 96%              |
| SAU801342     | MGE100068       | 38%      | 97.7%          | 98.3%            |
| SAU801342     | MPN100073       | 36%      | 97.7%          | 98.3%            |
| SAU801342     | NGO100398       | 47%      | 99.1%          | 99.5%            |
| SAU801342     | NME201529       | 47%      | 99.1%          | 99.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801342     | PMU101638       | 46%      | 97.6%          | 97.8%            |
| SAU801342     | PMU101242       | 46%      | 98.5%          | 98.7%            |
| SAU801342     | PRT102791       | 46%      | 98.5%          | 98.5%            |
| SAU801342     | PAE200547       | 47%      | 97.6%          | 97.4%            |
| SAU801342     | PPU104660       | 47%      | 98.5%          | 98.3%            |
| SAU801342     | PSY103014       | 46%      | 96.2%          | 98.8%            |
| SAU801342     | SPA101296       | 44%      | 98.5%          | 98.6%            |
| SAU801342     | STY104533       | 44%      | 98.5%          | 98.6%            |
| SAU801342     | STM101336       | 46%      | 97.9%          | 97.6%            |
| SAU801342     | SAU801342       | 100%     | 100%           | 100%             |
| SAU801342     | SEP202003       | 84%      | 100%           | 100%             |
| SAU801342     | SHA100863       | 84%      | 59.1%          | 98.5%            |
| SAU801342     | SMU101576       | 55%      | 98.9%          | 99.4%            |
| SAU801342     | SPN401839       | 54%      | 98.9%          | 99.4%            |
| SAU801342     | SPY201289       | 57%      | 99.8%          | 92.7%            |
| SAU801342     | TPA100554       | 45%      | 98.0%          | 97.7%            |
| SAU801342     | UUR100593       | 38%      | 98.5%          | 99.2%            |
| SAU801342     | VCH103347       | 46%      | 99.4%          | 97.1%            |
| SAU801342     | VCH100468       | 46%      | 99.7%          | 95.4%            |
| SAU801342     | YPS000208       | 47%      | 98.5%          | 98.5%            |
| SAU801346     | ABA102859       | 21%      | 79.3%          | 72.1%            |
| SAU801346     | BAN102851       | 37%      | 23.8%          | 26.1%            |
| SAU801346     | BAN105200       | 24%      | 99.7%          | 99.7%            |
| SAU801346     | BFR104408       | 21%      | 85.4%          | 96.0%            |
| SAU801346     | BBU100829       | 24%      | 95.2%          | 94.4%            |
| SAU801346     | CPN200747       | 21%      | 42.8%          | 86.4%            |
| SAU801346     | CAC102141       | 24%      | 98.6%          | 98.5%            |
| SAU801346     | CBO100905       | 21%      | 45.2%          | 90.6%            |
| SAU801346     | CBO101427       | 23%      | 69.0%          | 50.6%            |
| SAU801346     | CDF103294       | 24%      | 99.8%          | 99.1%            |
| SAU801346     | EBC101244       | 20%      | 48.6%          | 87.7%            |
| SAU801346     | EFA200866       | 25%      | 99.5%          | 99.4%            |
| SAU801346     | EFM202519       | 27%      | 99.8%          | 99.8%            |
| SAU801346     | ECO100389       | 21%      | 98.7%          | 98.4%            |
| SAU801346     | KPN305696       | 21%      | 98.7%          | 98.4%            |
| SAU801346     | LMO100865       | 27%      | 99.7%          | 99.5%            |
| SAU801346     | MCA102350       | 24%      | 66.9%          | 11.9%            |
| SAU801346     | PMU100774       | 22%      | 34.2%          | 53.5%            |
| SAU801346     | PRT101272       | 22%      | 61.2%          | 43.5%            |
| SAU801346     | PAE204280       | 23%      | 30.2%          | 2.2%             |
| SAU801346     | PPU101727       | 26%      | 39.6%          | 8.2%             |
| SAU801346     | PSY100720       | 21%      | 76.1%          | 64.9%            |
| SAU801346     | SPA100796       | 49%      | 5.5%           | 76.1%            |
| SAU801346     | STY100354       | 24%      | 30.0%          | 37.0%            |
| SAU801346     | SAU801346       | 100%     | 100%           | 100%             |
| SAU801346     | SEP202013       | 44%      | 100%           | 100%             |
| SAU801346     | SHA102750       | 52%      | 11.6%          | 68.4%            |
| SAU801346     | SPY100934       | 23%      | 17.0%          | 51.5%            |
| SAU801346     | TPA100620       | 22%      | 98.7%          | 98.7%            |
| SAU801346     | VCH103246       | 25%      | 99.6%          | 99.7%            |
| SAU801346     | YPS002049       | 22%      | 27.7%          | 46.2%            |
| SAU801353     | BAN110703       | 46%      | 98.0%          | 99.5%            |
| SAU801353     | BPT100366       | 38%      | 96.0%          | 90.2%            |
| SAU801353     | BCE111262       | 36%      | 98.5%          | 91.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801353     | BFU102327       | 34%      | 98.5%          | 91.6%            |
| SAU801353     | BMA109316       | 38%      | 98.5%          | 96.1%            |
| SAU801353     | CJU100326       | 32%      | 97.0%          | 98.0%            |
| SAU801353     | CAC101816       | 33%      | 97.0%          | 99.0%            |
| SAU801353     | CBO101234       | 37%      | 97.0%          | 99.5%            |
| SAU801353     | CDF101093       | 35%      | 97.0%          | 94.6%            |
| SAU801353     | EBC100867       | 34%      | 96.0%          | 89.8%            |
| SAU801353     | EFA201321       | 41%      | 99.5%          | 93.5%            |
| SAU801353     | EFM102093       | 41%      | 89.6%          | 94.8%            |
| SAU801353     | ECO102993       | 32%      | 96.0%          | 90.2%            |
| SAU801353     | HN100253        | 32%      | 98.5%          | 95.5%            |
| SAU801353     | HPY101488       | 32%      | 97.0%          | 79.0%            |
| SAU801353     | KPN304106       | 31%      | 96.0%          | 90.2%            |
| SAU801353     | LPN102283       | 33%      | 99.0%          | 69.7%            |
| SAU801353     | LMO102620       | 50%      | 99.0%          | 98.0%            |
| SAU801353     | MGE100251       | 33%      | 98.5%          | 95.0%            |
| SAU801353     | MPN100486       | 32%      | 98.5%          | 95.0%            |
| SAU801353     | NGO101160       | 33%      | 98.5%          | 98%              |
| SAU801353     | NME201160       | 33%      | 98.5%          | 98%              |
| SAU801353     | PMU101696       | 34%      | 98.5%          | 94.5%            |
| SAU801353     | PRT100514       | 34%      | 96.0%          | 84.9%            |
| SAU801353     | PAE200580       | 34%      | 96.5%          | 98.4%            |
| SAU801353     | PPU100641       | 31%      | 96.5%          | 98.4%            |
| SAU801353     | PSY103383       | 30%      | 96.5%          | 98.4%            |
| SAU801353     | SPA101471       | 34%      | 96.0%          | 88.5%            |
| SAU801353     | STY100804       | 34%      | 96.0%          | 91.1%            |
| SAU801353     | STM101260       | 34%      | 96.0%          | 91.1%            |
| SAU801353     | SAU801353       | 100%     | 100%           | 100%             |
| SAU801353     | SEP202027       | 89%      | 100%           | 100%             |
| SAU801353     | SHA100825       | 86%      | 100%           | 100%             |
| SAU801353     | SMU101039       | 43%      | 94.6%          | 90.6%            |
| SAU801353     | SPN400755       | 42%      | 99.5%          | 94.8%            |
| SAU801353     | SPY200679       | 40%      | 99.5%          | 94.8%            |
| SAU801353     | UUR100408       | 35%      | 98.0%          | 88.7%            |
| SAU801353     | VCH100513       | 32%      | 98.0%          | 90.9%            |
| SAU801353     | YPS001965       | 33%      | 96.0%          | 85.6%            |
| SAU801354     | BAN100279       | 67%      | 95.5%          | 99.5%            |
| SAU801354     | BAN106450       | 70%      | 97.9%          | 99.1%            |
| SAU801354     | EFA201799       | 71%      | 97.9%          | 95.0%            |
| SAU801354     | EFM202341       | 70%      | 95.3%          | 99.4%            |
| SAU801354     | LMO101322       | 70%      | 97.9%          | 99.1%            |
| SAU801354     | MGE100205       | 47%      | 95.6%          | 99.7%            |
| SAU801354     | MPN100032       | 45%      | 95.6%          | 99.7%            |
| SAU801354     | SAU801354       | 100%     | 100%           | 100%             |
| SAU801354     | SEP202029       | 92%      | 99.8%          | 99.7%            |
| SAU801354     | SHA100791       | 64%      | 20.3%          | 100%             |
| SAU801354     | SHA100826       | 91%      | 99.8%          | 99.7%            |
| SAU801354     | SMU101038       | 68%      | 95.6%          | 98.2%            |
| SAU801354     | SPN400756       | 69%      | 95.6%          | 98.1%            |
| SAU801354     | SPY200680       | 67%      | 95.8%          | 98.2%            |
| SAU801354     | UUR100471       | 52%      | 96.2%          | 98.8%            |
| SAU801354     | ECO102964       | 38%      | 94.1%          | 97.9%            |
| SAU801354     | NME201790       | 39%      | 95.0%          | 98.6%            |
| SAU801354     | PAE204962       | 38%      | 94.0%          | 97.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801354     | PMU100370       | 38%      | 94.3%          | 98.1%            |
| SAU801354     | YPS001994       | 37%      | 94.6%          | 98.3%            |
| SAU801355     | BAN110308       | 42%      | 92.1%          | 92.2%            |
| SAU801355     | BAN106306       | 58%      | 99.6%          | 99.0%            |
| SAU801355     | CBO103199       | 45%      | 90.6%          | 96.7%            |
| SAU801355     | EFA201801       | 56%      | 99.2%          | 97.7%            |
| SAU801355     | EFM100902       | 54%      | 99.1%          | 98.0%            |
| SAU801355     | LMO102776       | 56%      | 99.5%          | 97.6%            |
| SAU801355     | SAU801355       | 100%     | 100%           | 100%             |
| SAU801355     | SEP202031       | 83%      | 99.9%          | 99.9%            |
| SAU801355     | SHA100827       | 83%      | 98.4%          | 100%             |
| SAU801355     | SMU101036       | 53%      | 96.9%          | 98.4%            |
| SAU801355     | SPN400757       | 52%      | 99.4%          | 98.3%            |
| SAU801355     | SPY200681       | 52%      | 98.9%          | 99.0%            |
| SAU801355     | UUR100472       | 41%      | 93.8%          | 88.6%            |
| SAU801355     | ECO102953       | 32%      | 92.4%          | 97.5%            |
| SAU801355     | MPN100031       | 37%      | 91.3%          | 92.5%            |
| SAU801355     | NME201659       | 32%      | 88.8%          | 94.6%            |
| SAU801355     | PAE204959       | 36%      | 71.0%          | 74.5%            |
| SAU801355     | PMU100369       | 32%      | 86.8%          | 91.0%            |
| SAU801355     | YPS002002       | 33%      | 86%            | 89.8%            |
| SAU801362     | ABA105445       | 44%      | 15.0%          | 65.3%            |
| SAU801362     | BCE112162       | 25%      | 16.5%          | 22.0%            |
| SAU801362     | CDF100773       | 30%      | 78.0%          | 86.2%            |
| SAU801362     | CDF100771       | 32%      | 67.3%          | 84.6%            |
| SAU801362     | EFA201849       | 42%      | 93.6%          | 78.2%            |
| SAU801362     | EFM202260       | 38%      | 89.0%          | 97.6%            |
| SAU801362     | LMO100807       | 41%      | 92.7%          | 99.0%            |
| SAU801362     | MAV108258       | 30%      | 61.5%          | 67.2%            |
| SAU801362     | MTU400793       | 25%      | 67.0%          | 51.2%            |
| SAU801362     | MTU405761       | 25%      | 67.0%          | 52.5%            |
| SAU801362     | SAU801362       | 100%     | 100%           | 100%             |
| SAU801362     | SEP202045       | 76%      | 99.4%          | 98.8%            |
| SAU801362     | SHA102568       | 70%      | 47.1%          | 100%             |
| SAU801362     | SMU100110       | 32%      | 94.8%          | 74.0%            |
| SAU801362     | SPN401225       | 30%      | 96.0%          | 83.5%            |
| SAU801362     | SPY201033       | 31%      | 93.6%          | 71.2%            |
| SAU801362     | TPA100731       | 23%      | 42.2%          | 35.4%            |
| SAU801366     | BAN105241       | 54%      | 47.8%          | 96.5%            |
| SAU801366     | BAN108518       | 61%      | 47.8%          | 98.2%            |
| SAU801366     | BAN108248       | 63%      | 98.0%          | 96.3%            |
| SAU801366     | CAC101350       | 50%      | 97.1%          | 96.8%            |
| SAU801366     | CBO102562       | 47%      | 98.3%          | 98.0%            |
| SAU801366     | CDF103804       | 43%      | 97.7%          | 92.6%            |
| SAU801366     | LMO100556       | 60%      | 98.5%          | 96.6%            |
| SAU801366     | MAV108484       | 36%      | 98.0%          | 83.0%            |
| SAU801366     | PAE203459       | 37%      | 98.5%          | 83.9%            |
| SAU801366     | PPU105893       | 36%      | 99.1%          | 87.3%            |
| SAU801366     | PSY104354       | 38%      | 96.5%          | 87.6%            |
| SAU801366     | SAU801366       | 100%     | 100%           | 100%             |
| SAU801366     | SHA101687       | 80%      | 99.4%          | 98.6%            |
| SAU801366     | SPN400552       | 55%      | 99.7%          | 99.4%            |
| SAU801375     | BFR103954       | 26%      | 35.1%          | 36.7%            |
| SAU801375     | SAU801375       | 100%     | 100%           | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801375     | SEP202067       | 86%      | 100%           | 100%             |
| SAU801375     | SHA101696       | 82%      | 93.8%          | 100%             |
| SAU801375     | SPY200443       | 27%      | 98.6%          | 99.0%            |
| SAU801388     | ABA103820       | 44%      | 92.9%          | 64.3%            |
| SAU801388     | BAN111672       | 45%      | 97.4%          | 100%             |
| SAU801388     | BAN112161       | 56%      | 97.4%          | 95.6%            |
| SAU801388     | BFR10280        | 36%      | 79.5%          | 60.5%            |
| SAU801388     | BPT101013       | 30%      | 84.4%          | 82.2%            |
| SAU801388     | BBU100215       | 35%      | 91.2%          | 95.0%            |
| SAU801388     | BCE106431       | 29%      | 89.9%          | 84.7%            |
| SAU801388     | BFU107007       | 30%      | 87.3%          | 85.6%            |
| SAU801388     | BMA101485       | 27%      | 90.6%          | 85.0%            |
| SAU801388     | CJU100575       | 40%      | 92.2%          | 97.7%            |
| SAU801388     | CAC102164       | 29%      | 86.4%          | 89.9%            |
| SAU801388     | CBO103614       | 32%      | 92.2%          | 97.2%            |
| SAU801388     | CDF100003       | 33%      | 29.9%          | 81.1%            |
| SAU801388     | CDF104102       | 34%      | 95.1%          | 96.1%            |
| SAU801388     | CDP100488       | 29%      | 93.2%          | 90.6%            |
| SAU801388     | EBC104239       | 28%      | 93.5%          | 95.0%            |
| SAU801388     | EFA200604       | 30%      | 96.1%          | 97.1%            |
| SAU801388     | ECO103648       | 27%      | 93.5%          | 95.0%            |
| SAU801388     | HIN101348       | 30%      | 89.6%          | 91.7%            |
| SAU801388     | KPN302236       | 27%      | 92.5%          | 94.0%            |
| SAU801388     | LMO102682       | 34%      | 93.2%          | 96.4%            |
| SAU801388     | MCA100488       | 32%      | 84.7%          | 86.2%            |
| SAU801388     | MAV105985       | 29%      | 91.6%          | 91.2%            |
| SAU801388     | MBV103842       | 30%      | 87.7%          | 89.9%            |
| SAU801388     | MLP101266       | 29%      | 90.6%          | 92.8%            |
| SAU801388     | MTU200926       | 30%      | 87.7%          | 89.9%            |
| SAU801388     | PMU100435       | 31%      | 79.2%          | 80.6%            |
| SAU801388     | PRT102835       | 28%      | 93.8%          | 95.3%            |
| SAU801388     | PPU107748       | 30%      | 90.3%          | 90.4%            |
| SAU801388     | PSY104957       | 32%      | 89.6%          | 97.2%            |
| SAU801388     | STY103903       | 28%      | 93.5%          | 95.0%            |
| SAU801388     | SAU801388       | 100%     | 100%           | 100%             |
| SAU801388     | SEP202089       | 83%      | 100%           | 100%             |
| SAU801388     | SHA101136       | 82%      | 100%           | 100%             |
| SAU801388     | SMU100943       | 28%      | 100%           | 99.4%            |
| SAU801388     | SPN401255       | 31%      | 88.3%          | 87.9%            |
| SAU801388     | SPY200954       | 29%      | 82.8%          | 83.0%            |
| SAU801388     | VCH102807       | 30%      | 95.5%          | 87.2%            |
| SAU801388     | YPS003539       | 28%      | 95.8%          | 97.5%            |
| SAU801392     | BAN100882       | 70%      | 88.2%          | 98.9%            |
| SAU801392     | BAN109532       | 73%      | 95.9%          | 62.1%            |
| SAU801392     | BFR10176        | 56%      | 47.3%          | 99.4%            |
| SAU801392     | BPT100336       | 44%      | 99.6%          | 90.2%            |
| SAU801392     | BBU100741       | 57%      | 95.9%          | 40%              |
| SAU801392     | BCE107353       | 46%      | 98.7%          | 43.4%            |
| SAU801392     | BFU101573       | 46%      | 99.6%          | 99.8%            |
| SAU801392     | BMA103267       | 46%      | 99.6%          | 99.8%            |
| SAU801392     | CJU100394       | 46%      | 99.1%          | 99.4%            |
| SAU801392     | CPN200741       | 39%      | 93.8%          | 40%              |
| SAU801392     | CTR200617       | 38%      | 93.8%          | 40.2%            |
| SAU801392     | CAC102468       | 68%      | 98.9%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801392     | CBO103433       | 66%      | 45.6%          | 99.8%            |
| SAU801392     | CDF100968       | 64%      | 48.4%          | 100%             |
| SAU801392     | EBC102343       | 45%      | 99.6%          | 99.6%            |
| SAU801392     | EFA200654       | 70%      | 100%           | 98.2%            |
| SAU801392     | EFM100463       | 71%      | 38.5%          | 99.8%            |
| SAU801392     | ECO100796       | 45%      | 99.6%          | 99.8%            |
| SAU801392     | HPY100840       | 48%      | 98.7%          | 99.2%            |
| SAU801392     | KPN302739       | 45%      | 99.6%          | 99.8%            |
| SAU801392     | LMO100778       | 74%      | 99.2%          | 99.1%            |
| SAU801392     | NGO100212       | 46%      | 99.6%          | 99.8%            |
| SAU801392     | NME201287       | 46%      | 99.6%          | 99.8%            |
| SAU801392     | PRT100022       | 45%      | 99.6%          | 99.6%            |
| SAU801392     | PAE201962       | 46%      | 44.1%          | 99.0%            |
| SAU801392     | PPU110733       | 46%      | 99.8%          | 99.8%            |
| SAU801392     | PSY102530       | 47%      | 98.1%          | 99.6%            |
| SAU801392     | SPA102072       | 44%      | 99.6%          | 99.6%            |
| SAU801392     | STY102394       | 45%      | 99.6%          | 99.6%            |
| SAU801392     | STM102165       | 45%      | 99.6%          | 99.8%            |
| SAU801392     | SAU801392       | 100%     | 100%           | 100%             |
| SAU801392     | SEP202098       | 94%      | 100%           | 99.6%            |
| SAU801392     | SHA100965       | 94%      | 100%           | 99.8%            |
| SAU801392     | SMU101414       | 65%      | 98.9%          | 97.6%            |
| SAU801392     | SPN402032       | 66%      | 99.6%          | 98.1%            |
| SAU801392     | SPY201692       | 66%      | 98.7%          | 97.4%            |
| SAU801392     | TPA100829       | 53%      | 47.3%          | 97.5%            |
| SAU801392     | VCH101496       | 46%      | 99.6%          | 99.6%            |
| SAU801392     | YPS002248       | 45%      | 99.6%          | 99.6%            |
| SAU801394     | ABA102417       | 23%      | 99.1%          | 99.7%            |
| SAU801394     | BAN105110       | 48%      | 66.9%          | 94.4%            |
| SAU801394     | BAN110285       | 47%      | 98.2%          | 97.1%            |
| SAU801394     | BFR101725       | 43%      | 97.9%          | 98.2%            |
| SAU801394     | BPT101923       | 23%      | 93.9%          | 95.2%            |
| SAU801394     | BCE110623       | 24%      | 93.9%          | 96.0%            |
| SAU801394     | BFU109219       | 23%      | 93.9%          | 96.0%            |
| SAU801394     | BMA107844       | 24%      | 93.9%          | 96.0%            |
| SAU801394     | CJU100951       | 43%      | 98.5%          | 98.0%            |
| SAU801394     | CPN200789       | 26%      | 94.2%          | 93.1%            |
| SAU801394     | CTR200632       | 28%      | 94.2%          | 91.6%            |
| SAU801394     | CAC102778       | 25%      | 94.2%          | 93.6%            |
| SAU801394     | CAC100810       | 27%      | 96.7%          | 96.1%            |
| SAU801394     | CBO102584       | 51%      | 98.2%          | 87.9%            |
| SAU801394     | CDF102483       | 52%      | 97.3%          | 97.0%            |
| SAU801394     | CDP101635       | 40%      | 97.3%          | 99.1%            |
| SAU801394     | EBC101246       | 28%      | 97.6%          | 97.0%            |
| SAU801394     | EFA200749       | 46%      | 96.4%          | 94.4%            |
| SAU801394     | EFM202572       | 51%      | 97.0%          | 95.8%            |
| SAU801394     | ECO102277       | 29%      | 97.6%          | 97.0%            |
| SAU801394     | HIN100627       | 22%      | 98.2%          | 99.7%            |
| SAU801394     | HPY101172       | 38%      | 95.7%          | 96.2%            |
| SAU801394     | KPN302836       | 27%      | 97.3%          | 96.7%            |
| SAU801394     | LPN102579       | 45%      | 96.4%          | 96.2%            |
| SAU801394     | LMO102054       | 45%      | 98.8%          | 99.1%            |
| SAU801394     | MCA103569       | 22%      | 93.9%          | 96.6%            |
| SAU801394     | MAV103165       | 39%      | 97.3%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801394     | MBV102870       | 40%      | 87.5%          | 93.8%            |
| SAU801394     | MLP101382       | 38%      | 96.4%          | 96.3%            |
| SAU801394     | MTU203654       | 39%      | 96.4%          | 97.1%            |
| SAU801394     | NGO100986       | 25%      | 97.6%          | 98.9%            |
| SAU801394     | NME200328       | 25%      | 97.6%          | 98.9%            |
| SAU801394     | PMU101632       | 23%      | 98.2%          | 99.7%            |
| SAU801394     | PRT101099       | 27%      | 97.6%          | 97.0%            |
| SAU801394     | PAE203114       | 25%      | 97.6%          | 97.3%            |
| SAU801394     | PPU105849       | 29%      | 97.6%          | 97.3%            |
| SAU801394     | PSY101677       | 31%      | 89.4%          | 98.0%            |
| SAU801394     | SPA102819       | 26%      | 97.6%          | 97.0%            |
| SAU801394     | STY101017       | 27%      | 97.6%          | 97.0%            |
| SAU801394     | SAU801394       | 100%     | 100%           | 100%             |
| SAU801394     | SEP202102       | 85%      | 99.7%          | 99.7%            |
| SAU801394     | SHA100967       | 86%      | 99.7%          | 99.7%            |
| SAU801394     | SMU100090       | 44%      | 97.0%          | 94.1%            |
| SAU801394     | SPN400918       | 42%      | 96.4%          | 93.6%            |
| SAU801394     | VCH102075       | 42%      | 97.6%          | 97.0%            |
| SAU801394     | YPS002391       | 30%      | 97.6%          | 97.0%            |
| SAU801396     | ABA105360       | 41%      | 77.1%          | 70.3%            |
| SAU801396     | BAN102900       | 25%      | 94.2%          | 87.7%            |
| SAU801396     | BAN107078       | 25%      | 94.2%          | 87.6%            |
| SAU801396     | BFR10828        | 34%      | 93.8%          | 91.7%            |
| SAU801396     | BPT102724       | 37%      | 76.7%          | 70.6%            |
| SAU801396     | BCE105684       | 35%      | 78.8%          | 73.6%            |
| SAU801396     | BMA108656       | 39%      | 79.2%          | 77.2%            |
| SAU801396     | CJU100185       | 37%      | 78.3%          | 79.8%            |
| SAU801396     | CPN200790       | 29%      | 98.3%          | 90.2%            |
| SAU801396     | CTR200633       | 34%      | 80%            | 77.2%            |
| SAU801396     | CAC100895       | 39%      | 100%           | 98.4%            |
| SAU801396     | CBO100936       | 42%      | 96.7%          | 94.0%            |
| SAU801396     | CDF100169       | 43%      | 49.2%          | 98.3%            |
| SAU801396     | CDF101971       | 40%      | 94.2%          | 86.5%            |
| SAU801396     | CDF103888       | 42%      | 100%           | 98.8%            |
| SAU801396     | CDP100444       | 25%      | 70.8%          | 72.2%            |
| SAU801396     | EBC102147       | 37%      | 77.5%          | 70.3%            |
| SAU801396     | EFA201878       | 25%      | 100%           | 99.2%            |
| SAU801396     | EFM201574       | 38%      | 100%           | 97.5%            |
| SAU801396     | ECO100031       | 37%      | 77.1%          | 70.0%            |
| SAU801396     | HIN101274       | 35%      | 76.2%          | 70%              |
| SAU801396     | HPY100505       | 31%      | 97.1%          | 97.2%            |
| SAU801396     | KPN306527       | 37%      | 90%            | 82.4%            |
| SAU801396     | LPN103391       | 26%      | 68.3%          | 68.7%            |
| SAU801396     | LMO101881       | 21%      | 100%           | 99.2%            |
| SAU801396     | MCA102220       | 38%      | 80.4%          | 74.7%            |
| SAU801396     | MAV101194       | 25%      | 74.6%          | 75.9%            |
| SAU801396     | MBV101254       | 25%      | 75.4%          | 76.7%            |
| SAU801396     | MTU202735       | 26%      | 75.4%          | 76.7%            |
| SAU801396     | NGO100748       | 35%      | 80.8%          | 74.0%            |
| SAU801396     | NME200061       | 36%      | 78.8%          | 72.1%            |
| SAU801396     | PMU100726       | 35%      | 76.2%          | 70%              |
| SAU801396     | PRT101653       | 36%      | 81.2%          | 73.6%            |
| SAU801396     | PAE204755       | 38%      | 79.6%          | 73.5%            |
| SAU801396     | PPU111382       | 37%      | 81.2%          | 95.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801396     | PSY104750       | 38%      | 81.2%          | 79.2%            |
| SAU801396     | SPA101380       | 38%      | 77.1%          | 70.2%            |
| SAU801396     | STY101155       | 38%      | 77.1%          | 70.0%            |
| SAU801396     | STM100870       | 38%      | 77.1%          | 70.0%            |
| SAU801396     | SAU801396       | 100%     | 100%           | 100%             |
| SAU801396     | SEP202106       | 77%      | 100%           | 100%             |
| SAU801396     | SHA100969       | 80%      | 100%           | 100%             |
| SAU801396     | SMU100878       | 27%      | 79.2%          | 76.9%            |
| SAU801396     | SPN401413       | 27%      | 79.2%          | 76.9%            |
| SAU801396     | VCH102356       | 38%      | 78.3%          | 72.1%            |
| SAU801396     | YPS000815       | 37%      | 76.2%          | 69.2%            |
| SAU801408     | ABA100780       | 19%      | 69.3%          | 71.1%            |
| SAU801408     | BAN104787       | 27%      | 98.9%          | 100%             |
| SAU801408     | BAN111400       | 32%      | 98.9%          | 98.7%            |
| SAU801408     | BFU103452       | 21%      | 60.5%          | 65.6%            |
| SAU801408     | CDF104135       | 20%      | 72.0%          | 72.4%            |
| SAU801408     | EFA201494       | 25%      | 18.8%          | 12.8%            |
| SAU801408     | EFM201409       | 20%      | 62.3%          | 50.7%            |
| SAU801408     | LMO102254       | 27%      | 17.8%          | 40.7%            |
| SAU801408     | PAE200524       | 26%      | 30.4%          | 31.0%            |
| SAU801408     | SAU801408       | 100%     | 100%           | 100%             |
| SAU801408     | SEP200320       | 76%      | 100%           | 100%             |
| SAU801408     | SHA101098       | 77%      | 99.4%          | 100%             |
| SAU801413     | ABA105904       | 40%      | 95.2%          | 93.7%            |
| SAU801413     | BAN103255       | 42%      | 77.4%          | 75.4%            |
| SAU801413     | BAN111079       | 46%      | 96.4%          | 94.1%            |
| SAU801413     | BPT101840       | 36%      | 97.7%          | 96.1%            |
| SAU801413     | BCE108051       | 37%      | 96.2%          | 94.8%            |
| SAU801413     | BFU101166       | 36%      | 96.2%          | 94.7%            |
| SAU801413     | BMA105967       | 37%      | 96.2%          | 95.2%            |
| SAU801413     | CPN200372       | 38%      | 89.2%          | 88.3%            |
| SAU801413     | CTR200319       | 37%      | 88.1%          | 87.5%            |
| SAU801413     | CDF103227       | 21%      | 14.4%          | 50.5%            |
| SAU801413     | CDP101055       | 38%      | 89.0%          | 88.9%            |
| SAU801413     | EBC102740       | 39%      | 96.1%          | 95.2%            |
| SAU801413     | ECO100709       | 38%      | 96.1%          | 95.2%            |
| SAU801413     | HIN101627       | 36%      | 96.1%          | 93.7%            |
| SAU801413     | KPN300439       | 56%      | 16.7%          | 91.7%            |
| SAU801413     | KPN301278       | 39%      | 96.1%          | 95.2%            |
| SAU801413     | LPN103608       | 38%      | 96.1%          | 95.1%            |
| SAU801413     | MCA101641       | 38%      | 95.9%          | 94.2%            |
| SAU801413     | MAV105067       | 41%      | 88.9%          | 74.0%            |
| SAU801413     | MBV101835       | 40%      | 88.9%          | 67.9%            |
| SAU801413     | MLP100674       | 41%      | 87.8%          | 64.3%            |
| SAU801413     | MTU201231       | 40%      | 88.9%          | 67.9%            |
| SAU801413     | NGO101271       | 36%      | 96.2%          | 95.9%            |
| SAU801413     | NME201061       | 36%      | 96.2%          | 95.9%            |
| SAU801413     | PMU100277       | 37%      | 93.7%          | 92.9%            |
| SAU801413     | PRT102075       | 37%      | 96.1%          | 95.2%            |
| SAU801413     | PAE201584       | 38%      | 96.1%          | 95.3%            |
| SAU801413     | PPU103111       | 38%      | 93.1%          | 94.2%            |
| SAU801413     | PSY104853       | 39%      | 87.7%          | 93.8%            |
| SAU801413     | SPA103278       | 38%      | 96.1%          | 94.8%            |
| SAU801413     | STY101930       | 38%      | 96.1%          | 95.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801413     | STM101669       | 38%      | 96.1%          | 95.2%            |
| SAU801413     | SAU801413       | 100%     | 100%           | 100%             |
| SAU801413     | SEP200338       | 81%      | 99.4%          | 99.9%            |
| SAU801413     | SHA102778       | 78%      | 72.5%          | 100%             |
| SAU801413     | VCH102055       | 38%      | 96.1%          | 95.2%            |
| SAU801413     | YPS002064       | 38%      | 96.1%          | 95.2%            |
| SAU801419     | BAN100510       | 26%      | 85.8%          | 87.1%            |
| SAU801419     | BFR100612       | 25%      | 93.5%          | 98.7%            |
| SAU801419     | CJU101619       | 33%      | 95.3%          | 91.5%            |
| SAU801419     | CAC103631       | 27%      | 96.4%          | 92.5%            |
| SAU801419     | CBO103591       | 32%      | 85.8%          | 86.0%            |
| SAU801419     | CDF104280       | 32%      | 98.8%          | 100%             |
| SAU801419     | CDP100572       | 20%      | 84.6%          | 83.1%            |
| SAU801419     | EFA200851       | 25%      | 98.8%          | 97.7%            |
| SAU801419     | EFM201484       | 22%      | 92.9%          | 93.5%            |
| SAU801419     | KPN304595       | 20%      | 84.6%          | 83.1%            |
| SAU801419     | LMO100047       | 22%      | 85.8%          | 84.3%            |
| SAU801419     | SAU801419       | 100%     | 100%           | 100%             |
| SAU801419     | SEP200360       | 65%      | 98.8%          | 100%             |
| SAU801419     | SHA101283       | 67%      | 98.8%          | 100%             |
| SAU801419     | SMU101216       | 22%      | 85.8%          | 81.0%            |
| SAU801419     | SPN401317       | 26%      | 85.8%          | 89.6%            |
| SAU801419     | SPY201637       | 26%      | 45.6%          | 68.3%            |
| SAU801426     | ABA105042       | 36%      | 88.7%          | 87.6%            |
| SAU801426     | BAN106373       | 43%      | 98.1%          | 100%             |
| SAU801426     | BFR103062       | 38%      | 97.5%          | 96.4%            |
| SAU801426     | BPT100703       | 36%      | 81.8%          | 80.6%            |
| SAU801426     | BCE101792       | 38%      | 99.4%          | 98.2%            |
| SAU801426     | BFU100755       | 37%      | 98.7%          | 97.6%            |
| SAU801426     | BMA106298       | 37%      | 99.4%          | 97.6%            |
| SAU801426     | CPN201094       | 34%      | 79.9%          | 77.6%            |
| SAU801426     | CTR200891       | 29%      | 80.5%          | 81.8%            |
| SAU801426     | CAC100060       | 39%      | 84.9%          | 90.2%            |
| SAU801426     | CDP100078       | 34%      | 71.1%          | 68.3%            |
| SAU801426     | EBC103149       | 34%      | 98.1%          | 99.4%            |
| SAU801426     | EFA201842       | 46%      | 94.3%          | 94.5%            |
| SAU801426     | EFM100508       | 46%      | 94.3%          | 88.6%            |
| SAU801426     | ECO100048       | 34%      | 98.1%          | 99.4%            |
| SAU801426     | HIN100879       | 44%      | 99.4%          | 100%             |
| SAU801426     | KPN307712       | 35%      | 98.1%          | 99.4%            |
| SAU801426     | LPN102439       | 37%      | 84.9%          | 97.9%            |
| SAU801426     | LMO102529       | 39%      | 91.2%          | 92.5%            |
| SAU801426     | MCA101498       | 37%      | 75.5%          | 74.9%            |
| SAU801426     | MAV101963       | 32%      | 74.8%          | 69.1%            |
| SAU801426     | MBV103478       | 39%      | 59.1%          | 61.0%            |
| SAU801426     | MLP100935       | 33%      | 61.0%          | 62.4%            |
| SAU801426     | MTU202726       | 39%      | 59.1%          | 61.0%            |
| SAU801426     | MGE100233       | 31%      | 69.2%          | 74.4%            |
| SAU801426     | MPN100515       | 27%      | 80.5%          | 91.9%            |
| SAU801426     | NGO101724       | 30%      | 98.7%          | 98.8%            |
| SAU801426     | NME202016       | 30%      | 98.7%          | 98.8%            |
| SAU801426     | PMU101893       | 41%      | 98.7%          | 97.0%            |
| SAU801426     | PRT101248       | 35%      | 100%           | 100%             |
| SAU801426     | PAE200349       | 34%      | 86.2%          | 86.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801426     | PPU102745       | 33%      | 86.2%          | 95.5%            |
| SAU801426     | PSY108387       | 33%      | 83.0%          | 92.8%            |
| SAU801426     | SPA103699       | 35%      | 98.1%          | 99.4%            |
| SAU801426     | STY101217       | 34%      | 98.1%          | 99.4%            |
| SAU801426     | STM100930       | 35%      | 98.1%          | 99.4%            |
| SAU801426     | SAU801426       | 100%     | 100%           | 100%             |
| SAU801426     | SEP201187       | 79%      | 100%           | 98.8%            |
| SAU801426     | SEP200372       | 81%      | 100%           | 98.8%            |
| SAU801426     | SHA101277       | 86%      | 99.4%          | 99.4%            |
| SAU801426     | SMU100954       | 34%      | 95.6%          | 92.4%            |
| SAU801426     | SPN401428       | 34%      | 95.6%          | 94.0%            |
| SAU801426     | SPY200658       | 32%      | 99.4%          | 100%             |
| SAU801426     | UUR100113       | 28%      | 76.1%          | 80.1%            |
| SAU801426     | VCH100435       | 42%      | 96.2%          | 93.9%            |
| SAU801426     | YPS000851       | 39%      | 99.4%          | 100%             |
| SAU801434     | BFR100985       | 19%      | 5.8%           | 73.2%            |
| SAU801434     | BPT100907       | 21%      | 5.6%           | 93.6%            |
| SAU801434     | CJU100041       | 22%      | 22.9%          | 71.7%            |
| SAU801434     | CJU100788       | 22%      | 62.5%          | 65.0%            |
| SAU801434     | CAC100360       | 19%      | 94.0%          | 62.1%            |
| SAU801434     | CAC100718       | 18%      | 36.8%          | 67.2%            |
| SAU801434     | CDP100418       | 21%      | 2.6%           | 73.1%            |
| SAU801434     | HN101341        | 19%      | 10.3%          | 51.3%            |
| SAU801434     | HPY100521       | 18%      | 31.5%          | 84.6%            |
| SAU801434     | KPN204472       | 22%      | 12.8%          | 89.0%            |
| SAU801434     | MAV100077       | 23%      | 48.2%          | 66.9%            |
| SAU801434     | MBV101083       | 31%      | 73.9%          | 65.4%            |
| SAU801434     | MTU202311       | 21%      | 9.4%           | 57.6%            |
| SAU801434     | MGE100222       | 20%      | 11.9%          | 98.3%            |
| SAU801434     | MPN100526       | 19%      | 30.1%          | 75.6%            |
| SAU801434     | PAE200410       | 20%      | 33.4%          | 72.4%            |
| SAU801434     | SAU801434       | 100%     | 100%           | 100%             |
| SAU801434     | SEP200390       | 22%      | 35.1%          | 95.8%            |
| SAU801434     | SEP200388       | 29%      | 95.8%          | 66.8%            |
| SAU801434     | UUR100500       | 20%      | 8.4%           | 11.1%            |
| SAU801434     | UUR100479       | 22%      | 78.5%          | 25.9%            |
| SAU801434     | UUR100487       | 19%      | 88.3%          | 21.1%            |
| SAU801434     | VCH101382       | 19%      | 3.3%           | 98.4%            |
| SAU801439     | ABA101540       | 43%      | 15.3%          | 30%              |
| SAU801439     | ABA103709       | 25%      | 93.8%          | 97.9%            |
| SAU801439     | BPT102239       | 28%      | 95.2%          | 99.7%            |
| SAU801439     | BCE106127       | 28%      | 86.3%          | 92%              |
| SAU801439     | BMA102767       | 29%      | 88.2%          | 92.9%            |
| SAU801439     | CBO102725       | 26%      | 81.7%          | 88.0%            |
| SAU801439     | EBC101979       | 27%      | 94.6%          | 72.1%            |
| SAU801439     | KPN304528       | 26%      | 94.6%          | 37.2%            |
| SAU801439     | LPN100345       | 25%      | 93.8%          | 96.3%            |
| SAU801439     | PPU102936       | 28%      | 73.9%          | 90.7%            |
| SAU801439     | PSY103265       | 28%      | 87.6%          | 72.5%            |
| SAU801439     | SAU801439       | 100%     | 100%           | 100%             |
| SAU801450     | ABA104514       | 27%      | 73.6%          | 64.5%            |
| SAU801450     | BAN111504       | 38%      | 7.2%           | 72.2%            |
| SAU801450     | BAN111626       | 37%      | 13.9%          | 88.7%            |
| SAU801450     | BAN112322       | 37%      | 24.2%          | 68.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801450     | BAN109558       | 31%      | 36.7%          | 51.5%            |
| SAU801450     | BAN107365       | 29%      | 97.5%          | 80.5%            |
| SAU801450     | BAN100187       | 29%      | 88.7%          | 91.1%            |
| SAU801450     | BAN106468       | 33%      | 79.6%          | 98.1%            |
| SAU801450     | BAN109120       | 36%      | 90.1%          | 83.1%            |
| SAU801450     | BAN113112       | 35%      | 97.5%          | 86.2%            |
| SAU801450     | BFR12422        | 26%      | 81.4%          | 90.0%            |
| SAU801450     | BPT100929       | 28%      | 86.8%          | 87.6%            |
| SAU801450     | BBU100731       | 22%      | 76.2%          | 68.8%            |
| SAU801450     | BCE103115       | 26%      | 76.9%          | 83.5%            |
| SAU801450     | BFU113279       | 38%      | 83.6%          | 86.2%            |
| SAU801450     | BMA101975       | 27%      | 76.9%          | 74.9%            |
| SAU801450     | CJU100471       | 27%      | 81.3%          | 88.0%            |
| SAU801450     | CAC101849       | 28%      | 96.4%          | 96.0%            |
| SAU801450     | CBO102303       | 30%      | 82.7%          | 74.1%            |
| SAU801450     | CDF104052       | 29%      | 35.4%          | 69.5%            |
| SAU801450     | CDF102218       | 25%      | 99.0%          | 90.1%            |
| SAU801450     | CDP100789       | 26%      | 96.3%          | 95.2%            |
| SAU801450     | EBC100689       | 28%      | 68.2%          | 95.5%            |
| SAU801450     | EFA201378       | 31%      | 98.8%          | 93.1%            |
| SAU801450     | EFM201090       | 31%      | 88.2%          | 84.5%            |
| SAU801450     | ECO100149       | 25%      | 87.3%          | 74.3%            |
| SAU801450     | HIN101690       | 26%      | 77.0%          | 69.1%            |
| SAU801450     | HPY100590       | 24%      | 80.7%          | 87.1%            |
| SAU801450     | KPN300435       | 25%      | 22.8%          | 44.0%            |
| SAU801450     | KPN304206       | 28%      | 73.5%          | 60.3%            |
| SAU801450     | LPN102619       | 33%      | 15.1%          | 96.5%            |
| SAU801450     | LPN100189       | 37%      | 31.5%          | 77.6%            |
| SAU801450     | LMO102341       | 36%      | 98.6%          | 84.4%            |
| SAU801450     | MCA101332       | 30%      | 73.6%          | 66.3%            |
| SAU801450     | MAV101544       | 28%      | 74.1%          | 86.8%            |
| SAU801450     | MBV103327       | 27%      | 87.2%          | 76.0%            |
| SAU801450     | MLP101587       | 27%      | 87.1%          | 88.6%            |
| SAU801450     | MTU200050       | 28%      | 81.0%          | 85.7%            |
| SAU801450     | NGO101656       | 32%      | 83.9%          | 85.7%            |
| SAU801450     | NME200606       | 33%      | 87.8%          | 89.1%            |
| SAU801450     | PMU100456       | 27%      | 72.5%          | 65.5%            |
| SAU801450     | PRT101565       | 26%      | 73.5%          | 68.7%            |
| SAU801450     | PAE204696       | 30%      | 72.5%          | 65.6%            |
| SAU801450     | PPU108387       | 28%      | 72.5%          | 67.9%            |
| SAU801450     | PSY104456       | 30%      | 72.5%          | 67.9%            |
| SAU801450     | SPA102354       | 31%      | 43.6%          | 88.7%            |
| SAU801450     | STY103467       | 27%      | 73.5%          | 61.4%            |
| SAU801450     | STM103141       | 27%      | 73.5%          | 61.4%            |
| SAU801450     | SAU801450       | 100%     | 100%           | 100%             |
| SAU801450     | SEP200416       | 81%      | 100%           | 98.7%            |
| SAU801450     | SHA102710       | 46%      | 9.5%           | 61.7%            |
| SAU801450     | SHA101878       | 77%      | 99.0%          | 94.9%            |
| SAU801450     | SMU101483       | 32%      | 94.4%          | 97.0%            |
| SAU801450     | SPN400329       | 31%      | 95.0%          | 97.1%            |
| SAU801450     | SPY201271       | 32%      | 95.9%          | 97.8%            |
| SAU801450     | TPA100697       | 26%      | 82.0%          | 78.5%            |
| SAU801450     | VCH100591       | 25%      | 73.6%          | 66.2%            |
| SAU801450     | YPS000157       | 27%      | 73.5%          | 62.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801457     | ABA105939       | 32%      | 48%            | 40.7%            |
| SAU801457     | BAN107872       | 38%      | 97.2%          | 99.5%            |
| SAU801457     | BAN102524       | 39%      | 97.2%          | 97.7%            |
| SAU801457     | BFR104611       | 34%      | 49%            | 43.2%            |
| SAU801457     | BPT101657       | 33%      | 50.5%          | 45.9%            |
| SAU801457     | BBU100705       | 32%      | 83.5%          | 82.7%            |
| SAU801457     | BCE100092       | 32%      | 48.2%          | 42.4%            |
| SAU801457     | BFU102642       | 31%      | 51%            | 43.3%            |
| SAU801457     | BMA109607       | 32%      | 48.2%          | 42.7%            |
| SAU801457     | CJU100728       | 27%      | 63.5%          | 69.6%            |
| SAU801457     | CPN201005       | 27%      | 96.2%          | 96.3%            |
| SAU801457     | CTR200077       | 38%      | 51.2%          | 50.2%            |
| SAU801457     | CAC103726       | 25%      | 65.8%          | 55.0%            |
| SAU801457     | CBO100682       | 43%      | 53.5%          | 48.4%            |
| SAU801457     | CDF103451       | 31%      | 95.2%          | 94.6%            |
| SAU801457     | CDP101606       | 38%      | 49%            | 41.0%            |
| SAU801457     | EBC102069       | 34%      | 55%            | 50.9%            |
| SAU801457     | EFA201869       | 37%      | 97%            | 95.1%            |
| SAU801457     | ECO100143       | 32%      | 50.8%          | 47.1%            |
| SAU801457     | HIN100062       | 29%      | 53.5%          | 49.8%            |
| SAU801457     | HPY100632       | 29%      | 98.2%          | 95.3%            |
| SAU801457     | KPN308697       | 33%      | 50.8%          | 49.1%            |
| SAU801457     | LPN103037       | 33%      | 54.2%          | 53.0%            |
| SAU801457     | LMO102472       | 37%      | 98.2%          | 98.7%            |
| SAU801457     | MCA100864       | 33%      | 40.2%          | 27.9%            |
| SAU801457     | MAV103429       | 38%      | 46.8%          | 40.4%            |
| SAU801457     | MBV106184       | 36%      | 46.8%          | 40.4%            |
| SAU801457     | MLP101592       | 38%      | 47%            | 40.3%            |
| SAU801457     | MTU203852       | 36%      | 46.8%          | 40.4%            |
| SAU801457     | NGO100973       | 31%      | 58.5%          | 52.1%            |
| SAU801457     | NME200969       | 30%      | 58.5%          | 51.4%            |
| SAU801457     | PMU100864       | 30%      | 54.8%          | 46.9%            |
| SAU801457     | PRT102520       | 33%      | 50.8%          | 48.2%            |
| SAU801457     | PAE204723       | 35%      | 52.8%          | 47.8%            |
| SAU801457     | PPU108737       | 35%      | 52.8%          | 48.2%            |
| SAU801457     | PSY105160       | 34%      | 52.8%          | 48.0%            |
| SAU801457     | SPA104027       | 34%      | 55%            | 51.1%            |
| SAU801457     | STY103428       | 34%      | 55%            | 48.9%            |
| SAU801457     | STM101254       | 31%      | 52.2%          | 50.4%            |
| SAU801457     | SAU801457       | 100%     | 100%           | 100%             |
| SAU801457     | SEP200430       | 56%      | 100%           | 100%             |
| SAU801457     | SHA101762       | 59%      | 100%           | 100%             |
| SAU801457     | SMU100881       | 39%      | 98.8%          | 99.2%            |
| SAU801457     | SPN401412       | 38%      | 96.8%          | 96.2%            |
| SAU801457     | SPY200644       | 38%      | 97.8%          | 98.0%            |
| SAU801457     | TPA100267       | 41%      | 48.5%          | 41.6%            |
| SAU801457     | VCH100583       | 24%      | 76.5%          | 72.6%            |
| SAU801457     | YPS000784       | 30%      | 64.8%          | 60.9%            |
| SAU801458     | BAN104921       | 44%      | 95.8%          | 99.2%            |
| SAU801458     | BAN113092       | 55%      | 99.5%          | 99.2%            |
| SAU801458     | BPT101918       | 24%      | 92.4%          | 85.8%            |
| SAU801458     | BBU100453       | 22%      | 79.2%          | 80.7%            |
| SAU801458     | BFU102831       | 23%      | 77.1%          | 71.6%            |
| SAU801458     | CPN200894       | 22%      | 77.9%          | 75.8%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801458     | CTR100305       | 29%      | 13.4%          | 10.8%            |
| SAU801458     | CAC102137       | 21%      | 98.2%          | 97.2%            |
| SAU801458     | CAC100874       | 24%      | 99.5%          | 97.2%            |
| SAU801458     | CBO102992       | 25%      | 63.2%          | 58.8%            |
| SAU801458     | CBO100320       | 26%      | 78.2%          | 79.7%            |
| SAU801458     | CDF102815       | 24%      | 79.5%          | 80.7%            |
| SAU801458     | CDP100741       | 28%      | 41.1%          | 38.9%            |
| SAU801458     | EBC103431       | 30%      | 55%            | 54.9%            |
| SAU801458     | EFA200235       | 25%      | 98.7%          | 96.1%            |
| SAU801458     | EFM201493       | 23%      | 98.9%          | 94.3%            |
| SAU801458     | ECO204536       | 26%      | 45.8%          | 48.4%            |
| SAU801458     | HIN101663       | 23%      | 93.4%          | 95.8%            |
| SAU801458     | HPY100417       | 25%      | 30.3%          | 28.8%            |
| SAU801458     | KPN301575       | 27%      | 51.8%          | 53.1%            |
| SAU801458     | LPN100676       | 23%      | 95.8%          | 97.2%            |
| SAU801458     | LMO101281       | 25%      | 88.4%          | 81.3%            |
| SAU801458     | MAV103221       | 23%      | 69.5%          | 72.1%            |
| SAU801458     | MBV102473       | 23%      | 70%            | 68.7%            |
| SAU801458     | MLP100543       | 22%      | 69.7%          | 71.1%            |
| SAU801458     | MTU202154       | 23%      | 70%            | 68.7%            |
| SAU801458     | NGO100979       | 26%      | 48.2%          | 53.3%            |
| SAU801458     | NME200972       | 26%      | 47.1%          | 77.8%            |
| SAU801458     | PRT105053       | 27%      | 51.6%          | 52.5%            |
| SAU801458     | PAE200841       | 25%      | 50%            | 46.3%            |
| SAU801458     | PPU103947       | 27%      | 52.9%          | 50.3%            |
| SAU801458     | PSY100988       | 28%      | 46.6%          | 47.3%            |
| SAU801458     | SPA104080       | 28%      | 41.8%          | 44.9%            |
| SAU801458     | STY104620       | 28%      | 41.8%          | 44.9%            |
| SAU801458     | STM101647       | 22%      | 92.1%          | 93.9%            |
| SAU801458     | SAU801458       | 100%     | 100%           | 100%             |
| SAU801458     | SEP200432       | 80%      | 98.2%          | 98.2%            |
| SAU801458     | SHA101761       | 84%      | 98.2%          | 99.2%            |
| SAU801458     | SMU101081       | 23%      | 99.5%          | 87.4%            |
| SAU801458     | SPN400982       | 23%      | 98.4%          | 87.1%            |
| SAU801458     | SPY200370       | 24%      | 98.9%          | 86.9%            |
| SAU801458     | VCH100256       | 26%      | 75.8%          | 68.0%            |
| SAU801466     | ABA105177       | 32%      | 94.8%          | 93.9%            |
| SAU801466     | BAN111428       | 54%      | 88.7%          | 94.0%            |
| SAU801466     | BAN105811       | 58%      | 94.3%          | 98.4%            |
| SAU801466     | BAN110054       | 61%      | 97.4%          | 97.4%            |
| SAU801466     | BAN102027       | 62%      | 100%           | 100%             |
| SAU801466     | BFR11345        | 34%      | 92.0%          | 94.1%            |
| SAU801466     | BPT101881       | 33%      | 92.5%          | 94.1%            |
| SAU801466     | BCE109344       | 32%      | 96.6%          | 94.1%            |
| SAU801466     | BFU105028       | 34%      | 90.5%          | 88.5%            |
| SAU801466     | BMA108307       | 31%      | 97.2%          | 95.1%            |
| SAU801466     | CJU101540       | 33%      | 95.1%          | 95.0%            |
| SAU801466     | CPN200800       | 28%      | 93.0%          | 95.3%            |
| SAU801466     | CTR200637       | 32%      | 92.8%          | 95.0%            |
| SAU801466     | CAC102325       | 32%      | 90.7%          | 94.9%            |
| SAU801466     | CBO102194       | 45%      | 97.9%          | 95.9%            |
| SAU801466     | CDF101103       | 32%      | 90.7%          | 93.9%            |
| SAU801466     | CDP100371       | 40%      | 97.7%          | 96.0%            |
| SAU801466     | EBC103288       | 34%      | 97.7%          | 95.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801466     | EFA201862       | 57%      | 100%           | 100%             |
| SAU801466     | EFM101478       | 55%      | 98.5%          | 98.5%            |
| SAU801466     | ECO102287       | 33%      | 94.8%          | 94.5%            |
| SAU801466     | HIN100186       | 36%      | 93.3%          | 95.2%            |
| SAU801466     | HPY100655       | 33%      | 96.6%          | 96.4%            |
| SAU801466     | KPN302822       | 33%      | 94.8%          | 94.5%            |
| SAU801466     | LPN100018       | 33%      | 90.5%          | 92.0%            |
| SAU801466     | LMO100937       | 56%      | 100%           | 100%             |
| SAU801466     | MCA100479       | 33%      | 94.1%          | 91.8%            |
| SAU801466     | MAV101894       | 41%      | 99.7%          | 96.5%            |
| SAU801466     | MBV101353       | 41%      | 97.7%          | 92.7%            |
| SAU801466     | MLP100313       | 42%      | 97.7%          | 93.9%            |
| SAU801466     | MTU202503       | 41%      | 97.7%          | 95.3%            |
| SAU801466     | NGO100523       | 34%      | 94.1%          | 92.3%            |
| SAU801466     | NME201788       | 34%      | 94.1%          | 92.3%            |
| SAU801466     | PMU100359       | 33%      | 94.1%          | 96.1%            |
| SAU801466     | PRT105081       | 34%      | 93.8%          | 93.4%            |
| SAU801466     | PAE201680       | 32%      | 94.1%          | 92.8%            |
| SAU801466     | PPU102947       | 31%      | 97.4%          | 96.4%            |
| SAU801466     | PSY104698       | 32%      | 94.1%          | 92.8%            |
| SAU801466     | SPA101187       | 34%      | 88.9%          | 90.4%            |
| SAU801466     | STY101051       | 33%      | 94.8%          | 94.5%            |
| SAU801466     | SAU801466       | 100%     | 100%           | 100%             |
| SAU801466     | SEP200448       | 86%      | 100%           | 100%             |
| SAU801466     | SHA101753       | 86%      | 100%           | 100%             |
| SAU801466     | SMU100093       | 56%      | 100%           | 100%             |
| SAU801466     | SPN401231       | 57%      | 98.5%          | 98.5%            |
| SAU801466     | SPY200602       | 50%      | 100%           | 100%             |
| SAU801466     | VCH102083       | 35%      | 94.8%          | 94.5%            |
| SAU801466     | YPS002330       | 33%      | 93.8%          | 93.4%            |
| SAU801470     | ABA104632       | 32%      | 94.0%          | 92%              |
| SAU801470     | BAN109070       | 32%      | 97.2%          | 96.0%            |
| SAU801470     | BAN113356       | 44%      | 97.8%          | 96.6%            |
| SAU801470     | BFR101349       | 30%      | 96.9%          | 95.4%            |
| SAU801470     | BPT102476       | 27%      | 94.0%          | 93.1%            |
| SAU801470     | BBU100313       | 27%      | 90.0%          | 85.9%            |
| SAU801470     | BCE111505       | 28%      | 98.4%          | 94.6%            |
| SAU801470     | BFU108244       | 30%      | 97.5%          | 93.9%            |
| SAU801470     | BMA107188       | 28%      | 97.2%          | 100%             |
| SAU801470     | CJU100503       | 30%      | 83.1%          | 87.2%            |
| SAU801470     | CDP100844       | 31%      | 97.2%          | 94.8%            |
| SAU801470     | EBC100486       | 29%      | 86.2%          | 99.3%            |
| SAU801470     | EFA201824       | 35%      | 94.7%          | 93.3%            |
| SAU801470     | EFM100877       | 33%      | 96.2%          | 93.9%            |
| SAU801470     | ECO103117       | 28%      | 93.4%          | 92.3%            |
| SAU801470     | HIN100861       | 29%      | 97.2%          | 94.2%            |
| SAU801470     | HPY100236       | 27%      | 90.0%          | 92.2%            |
| SAU801470     | KPN301067       | 29%      | 92.8%          | 97.0%            |
| SAU801470     | LMO100122       | 40%      | 98.4%          | 97.2%            |
| SAU801470     | MAV102273       | 32%      | 96.9%          | 90.1%            |
| SAU801470     | MBV101462       | 30%      | 96.9%          | 92.2%            |
| SAU801470     | MLP101355       | 29%      | 98.1%          | 94.8%            |
| SAU801470     | MTU200559       | 30%      | 96.9%          | 92.2%            |
| SAU801470     | NGO101628       | 31%      | 96.9%          | 95.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801470     | NME201998       | 31%      | 96.9%          | 95.1%            |
| SAU801470     | PMU100346       | 29%      | 95.6%          | 92.4%            |
| SAU801470     | PRT103357       | 28%      | 90.9%          | 90.4%            |
| SAU801470     | PAE204567       | 28%      | 94.0%          | 92.9%            |
| SAU801470     | PPU109792       | 27%      | 95.6%          | 94.4%            |
| SAU801470     | PSY102709       | 26%      | 95.6%          | 94.4%            |
| SAU801470     | SPA100483       | 28%      | 53.6%          | 93.5%            |
| SAU801470     | STY101489       | 29%      | 93.4%          | 92.3%            |
| SAU801470     | STM101744       | 29%      | 93.4%          | 92.3%            |
| SAU801470     | SAU801470       | 100%     | 100%           | 100%             |
| SAU801470     | SEP200452       | 76%      | 99.7%          | 99.7%            |
| SAU801470     | SHA101414       | 73%      | 99.7%          | 100%             |
| SAU801470     | TPA100675       | 24%      | 86.8%          | 83.2%            |
| SAU801470     | VCH100429       | 30%      | 97.5%          | 89.4%            |
| SAU801470     | YPS002150       | 30%      | 85.9%          | 84.8%            |
| SAU801471     | ABA102453       | 44%      | 95.9%          | 73.7%            |
| SAU801471     | BAN101221       | 53%      | 93.4%          | 98.7%            |
| SAU801471     | BAN110701       | 64%      | 95.0%          | 97.5%            |
| SAU801471     | BFR100912       | 35%      | 93.4%          | 92.7%            |
| SAU801471     | BPT101405       | 39%      | 95.4%          | 88.4%            |
| SAU801471     | BCE105003       | 42%      | 93.4%          | 92.6%            |
| SAU801471     | BFU111004       | 38%      | 95.9%          | 95.1%            |
| SAU801471     | BMA103315       | 42%      | 93.4%          | 92.6%            |
| SAU801471     | CJU100293       | 33%      | 93.8%          | 98.3%            |
| SAU801471     | CPN200235       | 32%      | 94.6%          | 94.9%            |
| SAU801471     | CTR200702       | 29%      | 93.4%          | 92.9%            |
| SAU801471     | CAC101072       | 33%      | 55.6%          | 61.8%            |
| SAU801471     | CBO102321       | 27%      | 72.2%          | 73.5%            |
| SAU801471     | CDP100838       | 38%      | 92.5%          | 90.7%            |
| SAU801471     | EBC103973       | 42%      | 95.0%          | 92.8%            |
| SAU801471     | ECO103745       | 41%      | 93.4%          | 90.8%            |
| SAU801471     | HPY101462       | 35%      | 85.5%          | 88.2%            |
| SAU801471     | KPN303531       | 41%      | 93.4%          | 90.8%            |
| SAU801471     | LPN103135       | 38%      | 95.9%          | 93.6%            |
| SAU801471     | LMO101474       | 59%      | 96.3%          | 98.7%            |
| SAU801471     | MCA101080       | 42%      | 96.3%          | 82.8%            |
| SAU801471     | MAV102270       | 34%      | 96.3%          | 97.4%            |
| SAU801471     | MBV101071       | 36%      | 94.6%          | 94.0%            |
| SAU801471     | MLP101352       | 34%      | 91.3%          | 89.1%            |
| SAU801471     | MTU200555       | 36%      | 94.6%          | 94.0%            |
| SAU801471     | NGO101981       | 38%      | 95.9%          | 93.5%            |
| SAU801471     | NME200879       | 39%      | 95.9%          | 93.5%            |
| SAU801471     | PMU101686       | 41%      | 93.8%          | 85.4%            |
| SAU801471     | PRT102944       | 40%      | 95.9%          | 93.2%            |
| SAU801471     | PAE205058       | 42%      | 93.4%          | 89.1%            |
| SAU801471     | PPU109250       | 40%      | 93.4%          | 89.1%            |
| SAU801471     | PSY103601       | 42%      | 93.4%          | 89.1%            |
| SAU801471     | SPA102812       | 39%      | 93.4%          | 90.8%            |
| SAU801471     | STY101995       | 39%      | 93.4%          | 90.8%            |
| SAU801471     | STM101124       | 39%      | 93.4%          | 90.8%            |
| SAU801471     | SAU801471       | 100%     | 100%           | 100%             |
| SAU801471     | SEP200454       | 82%      | 100%           | 100%             |
| SAU801471     | SHA101413       | 82%      | 99.2%          | 100%             |
| SAU801471     | VCH100083       | 41%      | 95.9%          | 89.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801471     | YPS000639       | 42%      | 95.0%          | 92.8%            |
| SAU801473     | ABA103631       | 58%      | 98.9%          | 98.9%            |
| SAU801473     | BAN110875       | 80%      | 100%           | 100%             |
| SAU801473     | BFR100422       | 50%      | 100%           | 100%             |
| SAU801473     | BPT100124       | 53%      | 98.9%          | 98.9%            |
| SAU801473     | BBU100231       | 32%      | 98.9%          | 88.0%            |
| SAU801473     | BCE110670       | 63%      | 100%           | 100%             |
| SAU801473     | BFU100991       | 56%      | 98.9%          | 98.9%            |
| SAU801473     | BMA101790       | 53%      | 98.9%          | 96.7%            |
| SAU801473     | CJU100843       | 53%      | 98.9%          | 90.8%            |
| SAU801473     | CPN200333       | 26%      | 100%           | 91%              |
| SAU801473     | CTR200531       | 25%      | 100%           | 91%              |
| SAU801473     | CAC100114       | 58%      | 98.9%          | 97.8%            |
| SAU801473     | CBO102675       | 58%      | 98.9%          | 79.5%            |
| SAU801473     | CDF102299       | 58%      | 98.9%          | 97.8%            |
| SAU801473     | EBC102270       | 61%      | 98.9%          | 98.9%            |
| SAU801473     | EFA201883       | 78%      | 98.9%          | 97.8%            |
| SAU801473     | EFM100184       | 79%      | 98.9%          | 90.8%            |
| SAU801473     | ECO100432       | 61%      | 98.9%          | 98.9%            |
| SAU801473     | HIN100410       | 66%      | 100%           | 66.2%            |
| SAU801473     | HPY100822       | 39%      | 100%           | 96.8%            |
| SAU801473     | KPN302503       | 58%      | 100%           | 100%             |
| SAU801473     | LPN101041       | 37%      | 94.4%          | 95.5%            |
| SAU801473     | LMO100364       | 82%      | 98.9%          | 97.8%            |
| SAU801473     | MCA101444       | 57%      | 98.9%          | 98.9%            |
| SAU801473     | MAV101405       | 39%      | 98.9%          | 42.0%            |
| SAU801473     | MBV102079       | 39%      | 98.9%          | 41.6%            |
| SAU801473     | MLP101029       | 39%      | 98.9%          | 44.5%            |
| SAU801473     | MTU202948       | 39%      | 98.9%          | 41.6%            |
| SAU801473     | NGO100251       | 51%      | 98.9%          | 100%             |
| SAU801473     | NME201722       | 47%      | 98.9%          | 97.8%            |
| SAU801473     | NME201276       | 51%      | 98.9%          | 100%             |
| SAU801473     | PMU101732       | 67%      | 100%           | 100%             |
| SAU801473     | PRT101499       | 65%      | 98.9%          | 92.7%            |
| SAU801473     | PAE201803       | 62%      | 98.9%          | 98.9%            |
| SAU801473     | PPU111425       | 61%      | 98.9%          | 98.9%            |
| SAU801473     | PSY108978       | 58%      | 98.9%          | 98.9%            |
| SAU801473     | SPA102996       | 61%      | 98.9%          | 98.9%            |
| SAU801473     | STY100727       | 61%      | 98.9%          | 98.9%            |
| SAU801473     | STM100440       | 60%      | 98.9%          | 98.9%            |
| SAU801473     | SAU801473       | 100%     | 100%           | 100%             |
| SAU801473     | SEP200458       | 100%     | 100%           | 100%             |
| SAU801473     | SHA101411       | 96%      | 100%           | 100%             |
| SAU801473     | SMU100719       | 78%      | 98.9%          | 97.8%            |
| SAU801473     | SPN401020       | 75%      | 98.9%          | 97.8%            |
| SAU801473     | SPY201144       | 78%      | 98.9%          | 97.8%            |
| SAU801473     | TPA100248       | 34%      | 94.4%          | 81.0%            |
| SAU801473     | UUR100284       | 28%      | 96.7%          | 66.9%            |
| SAU801473     | VCH100270       | 58%      | 100%           | 100%             |
| SAU801473     | YPS001873       | 61%      | 98.9%          | 98.9%            |
| SAU801475     | ABA100688       | 42%      | 98.2%          | 91.3%            |
| SAU801475     | BAN111369       | 64%      | 99.8%          | 100%             |
| SAU801475     | BAN112079       | 75%      | 100%           | 100%             |
| SAU801475     | BFR10077        | 45%      | 28.7%          | 72.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801475     | BPT100007       | 41%      | 98.2%          | 96.5%            |
| SAU801475     | BBU100507       | 33%      | 74.5%          | 32.3%            |
| SAU801475     | BCE100856       | 37%      | 99.1%          | 96.5%            |
| SAU801475     | BFU105505       | 38%      | 98.2%          | 96.9%            |
| SAU801475     | BMA102074       | 39%      | 98.2%          | 96.9%            |
| SAU801475     | CJU100354       | 34%      | 98.6%          | 97.6%            |
| SAU801475     | CPN201006       | 31%      | 70.9%          | 27.7%            |
| SAU801475     | CTR200076       | 33%      | 69.7%          | 26.3%            |
| SAU801475     | CAC100098       | 52%      | 99.8%          | 99.5%            |
| SAU801475     | CBO101866       | 52%      | 99.8%          | 99.3%            |
| SAU801475     | CDF102465       | 52%      | 100%           | 99.1%            |
| SAU801475     | CDP101065       | 40%      | 67.2%          | 21.6%            |
| SAU801475     | EBC102035       | 41%      | 99.3%          | 95.3%            |
| SAU801475     | EFA201884       | 68%      | 99.8%          | 99.8%            |
| SAU801475     | ECO102462       | 42%      | 97.9%          | 90.1%            |
| SAU801475     | HIN100129       | 38%      | 98.9%          | 93.1%            |
| SAU801475     | HPY100821       | 34%      | 99.5%          | 97.4%            |
| SAU801475     | KPN305977       | 40%      | 99.3%          | 95.3%            |
| SAU801475     | LPN101429       | 41%      | 97.9%          | 92.0%            |
| SAU801475     | LMO102523       | 73%      | 99.8%          | 99.8%            |
| SAU801475     | MCA101523       | 41%      | 98.2%          | 90.9%            |
| SAU801475     | MAV102019       | 40%      | 99.1%          | 92.1%            |
| SAU801475     | MBV105348       | 39%      | 99.1%          | 92.7%            |
| SAU801475     | MLP100852       | 38%      | 99.1%          | 92.9%            |
| SAU801475     | MTU201691       | 39%      | 99.1%          | 92.7%            |
| SAU801475     | MGE100337       | 43%      | 98.9%          | 97.3%            |
| SAU801475     | MPN100366       | 43%      | 9.4%           | 45.2%            |
| SAU801475     | NGO101003       | 40%      | 98.2%          | 88.0%            |
| SAU801475     | NME200978       | 40%      | 98.2%          | 88.0%            |
| SAU801475     | PMU100105       | 38%      | 100%           | 94.1%            |
| SAU801475     | PRT102921       | 40%      | 97.9%          | 92.5%            |
| SAU801475     | PAE203796       | 38%      | 97.9%          | 90.9%            |
| SAU801475     | PPU112339       | 39%      | 97.9%          | 91.0%            |
| SAU801475     | PSY106808       | 41%      | 68.6%          | 83.2%            |
| SAU801475     | PSY103809       | 38%      | 97.9%          | 90.3%            |
| SAU801475     | SPA102739       | 43%      | 97.9%          | 90.2%            |
| SAU801475     | STY101715       | 42%      | 97.9%          | 92.4%            |
| SAU801475     | SAU801475       | 100%     | 100%           | 100%             |
| SAU801475     | SEP200461       | 93%      | 100%           | 100%             |
| SAU801475     | SHA101409       | 93%      | 100%           | 100%             |
| SAU801475     | SMU101355       | 62%      | 99.8%          | 99.8%            |
| SAU801475     | SPN401552       | 66%      | 99.8%          | 99.8%            |
| SAU801475     | SPY200248       | 66%      | 99.8%          | 99.8%            |
| SAU801475     | TPA100681       | 32%      | 98.9%          | 94.6%            |
| SAU801475     | UR100386        | 44%      | 98.9%          | 98.0%            |
| SAU801475     | VCH100750       | 41%      | 97.9%          | 92.3%            |
| SAU801475     | YPS003216       | 41%      | 40.1%          | 77.2%            |
| SAU801476     | ABA101621       | 29%      | 32.2%          | 89.8%            |
| SAU801476     | BAN106697       | 46%      | 99.7%          | 100%             |
| SAU801476     | BAN102603       | 48%      | 99.7%          | 99.7%            |
| SAU801476     | BFR12241        | 34%      | 89.8%          | 42.7%            |
| SAU801476     | BPT100197       | 34%      | 88.2%          | 89.1%            |
| SAU801476     | BBU100126       | 27%      | 88.0%          | 32.2%            |
| SAU801476     | BCE109984       | 36%      | 88.2%          | 86.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801476     | BFU102076       | 36%      | 88.2%          | 88.9%            |
| SAU801476     | BMA105447       | 36%      | 88.2%          | 90%              |
| SAU801476     | CJU100824       | 29%      | 98.2%          | 96.6%            |
| SAU801476     | CPN200436       | 31%      | 93.4%          | 91.0%            |
| SAU801476     | CTR200367       | 31%      | 88.7%          | 79.3%            |
| SAU801476     | CAC100711       | 36%      | 41.4%          | 52.0%            |
| SAU801476     | CBO101243       | 40%      | 99.5%          | 97.4%            |
| SAU801476     | CDF100938       | 31%      | 98.5%          | 96.0%            |
| SAU801476     | CDP100313       | 40%      | 88.2%          | 32.2%            |
| SAU801476     | EBC100136       | 35%      | 89.0%          | 82.0%            |
| SAU801476     | EFA201885       | 49%      | 48.8%          | 92.6%            |
| SAU801476     | ECO100886       | 35%      | 99.7%          | 99.6%            |
| SAU801476     | HIN101192       | 33%      | 88.0%          | 77.6%            |
| SAU801476     | HPY100395       | 28%      | 87.7%          | 30.0%            |
| SAU801476     | KPN302625       | 35%      | 89.3%          | 96.7%            |
| SAU801476     | LPN102947       | 36%      | 98.7%          | 98.9%            |
| SAU801476     | LMO101312       | 51%      | 99.7%          | 99.0%            |
| SAU801476     | MCA101969       | 34%      | 96.2%          | 93.1%            |
| SAU801476     | MAV106579       | 39%      | 92.3%          | 74.6%            |
| SAU801476     | MBV101279       | 39%      | 92.3%          | 66.9%            |
| SAU801476     | MLP100855       | 39%      | 92.3%          | 74.4%            |
| SAU801476     | MTU201609       | 39%      | 92.3%          | 74.4%            |
| SAU801476     | NGO100236       | 34%      | 86.7%          | 75.1%            |
| SAU801476     | NME201375       | 34%      | 86.7%          | 74.9%            |
| SAU801476     | PMU100801       | 33%      | 89.0%          | 79.1%            |
| SAU801476     | PRT100600       | 35%      | 95.4%          | 96.8%            |
| SAU801476     | PAE203160       | 36%      | 94.4%          | 79.4%            |
| SAU801476     | PPU100844       | 34%      | 88.5%          | 76.7%            |
| SAU801476     | PSY103125       | 35%      | 91.8%          | 77.4%            |
| SAU801476     | SPA102059       | 34%      | 94.6%          | 96.5%            |
| SAU801476     | STY102913       | 35%      | 99.7%          | 99.6%            |
| SAU801476     | STM103301       | 35%      | 99.7%          | 99.6%            |
| SAU801476     | SAU801476       | 100%     | 100%           | 100%             |
| SAU801476     | SEP200462       | 87%      | 99.7%          | 99.7%            |
| SAU801476     | SHA101408       | 86%      | 99.7%          | 99.7%            |
| SAU801476     | SMU101029       | 42%      | 88.5%          | 65.7%            |
| SAU801476     | SPN400764       | 41%      | 87.7%          | 64%              |
| SAU801476     | SPY200684       | 42%      | 91.8%          | 90.0%            |
| SAU801476     | TPA100276       | 31%      | 92.6%          | 61.5%            |
| SAU801476     | VCH101885       | 34%      | 99.7%          | 99.6%            |
| SAU801476     | YPS001263       | 35%      | 88.2%          | 92.1%            |
| SAU801481     | BPT103701       | 20%      | 53.9%          | 77.1%            |
| SAU801481     | BCE109402       | 18%      | 61.1%          | 71.8%            |
| SAU801481     | LMO100891       | 27%      | 9.7%           | 38.5%            |
| SAU801481     | MBV100591       | 29%      | 20.8%          | 45.4%            |
| SAU801481     | MTU202815       | 26%      | 20.2%          | 17.4%            |
| SAU801481     | MTU202128       | 26%      | 24.1%          | 21.1%            |
| SAU801481     | MTU201308       | 27%      | 20.0%          | 18.4%            |
| SAU801481     | MTU200968       | 28%      | 16.5%          | 8.5%             |
| SAU801481     | MTU201056       | 32%      | 18.5%          | 15.6%            |
| SAU801481     | MTU200278       | 31%      | 17.9%          | 10.2%            |
| SAU801481     | MTU203538       | 30%      | 19.1%          | 17.0%            |
| SAU801481     | MTU200529       | 30%      | 17.3%          | 13.3%            |
| SAU801481     | MTU201226       | 30%      | 19.1%          | 17.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801481     | MTU203460       | 31%      | 17.9%          | 2.0%             |
| SAU801481     | MTU203301       | 32%      | 16.7%          | 18.6%            |
| SAU801481     | MTU200575       | 26%      | 23.7%          | 5.0%             |
| SAU801481     | PAE205178       | 31%      | 21.0%          | 64.4%            |
| SAU801481     | PPU110426       | 32%      | 21.0%          | 64.6%            |
| SAU801481     | PSY102383       | 26%      | 32.9%          | 68.6%            |
| SAU801481     | SAU801481       | 100%     | 100%           | 100%             |
| SAU801481     | SEP200466       | 41%      | 90.9%          | 19.1%            |
| SAU801481     | SHA102755       | 35%      | 88.9%          | 47.4%            |
| SAU801484     | BFU113561       | 28%      | 80.5%          | 78.9%            |
| SAU801484     | CAC101692       | 38%      | 76.8%          | 91.9%            |
| SAU801484     | CBO102099       | 38%      | 76.8%          | 89.4%            |
| SAU801484     | CDF102732       | 38%      | 76.8%          | 91.9%            |
| SAU801484     | CDP100996       | 26%      | 82.9%          | 56.2%            |
| SAU801484     | EFA201899       | 39%      | 74.4%          | 84.7%            |
| SAU801484     | EFM102447       | 34%      | 76.8%          | 86.3%            |
| SAU801484     | LMO101364       | 59%      | 87.8%          | 97.3%            |
| SAU801484     | MAV104191       | 37%      | 80.5%          | 76.9%            |
| SAU801484     | MBV100688       | 39%      | 70.7%          | 82.5%            |
| SAU801484     | MTU203456       | 39%      | 70.7%          | 82.5%            |
| SAU801484     | SAU801484       | 100%     | 100%           | 100%             |
| SAU801484     | SEP200469       | 93%      | 100%           | 100%             |
| SAU801484     | SHA100251       | 93%      | 100%           | 100%             |
| SAU801484     | SMU100898       | 28%      | 73.2%          | 87.5%            |
| SAU801484     | SPN401457       | 33%      | 79.3%          | 66.3%            |
| SAU801484     | SPY200593       | 28%      | 73.2%          | 87.7%            |
| SAU801487     | CAC101789       | 24%      | 48.7%          | 72.4%            |
| SAU801487     | CAC103687       | 25%      | 29.5%          | 20.0%            |
| SAU801487     | EFA203098       | 21%      | 29.5%          | 83.6%            |
| SAU801487     | KPN302263       | 22%      | 41.9%          | 46.0%            |
| SAU801487     | LPN100452       | 24%      | 38.6%          | 17.1%            |
| SAU801487     | SAU801490       | 83%      | 91.3%          | 94.4%            |
| SAU801487     | SAU801488       | 69%      | 98.0%          | 97.0%            |
| SAU801487     | SAU801487       | 100%     | 100%           | 100%             |
| SAU801487     | SEP201760       | 55%      | 90.3%          | 87.2%            |
| SAU801489     | BFR101222       | 29%      | 7.6%           | 21.7%            |
| SAU801489     | CBO101974       | 25%      | 18.5%          | 50.9%            |
| SAU801489     | ECO101555       | 27%      | 10.4%          | 30.6%            |
| SAU801489     | HPY101333       | 25%      | 20.4%          | 44.5%            |
| SAU801489     | LPN100915       | 23%      | 17.8%          | 21.3%            |
| SAU801489     | PRT105801       | 27%      | 21.9%          | 64.6%            |
| SAU801489     | SAU801489       | 100%     | 100%           | 100%             |
| SAU801489     | SEP204035       | 51%      | 6.2%           | 78.6%            |
| SAU801489     | YPS001066       | 19%      | 32.4%          | 48.8%            |
| SAU801490     | CAC101789       | 24%      | 47.6%          | 76.6%            |
| SAU801490     | LPN100452       | 24%      | 39.9%          | 17.1%            |
| SAU801490     | PPU112163       | 22%      | 85.8%          | 29.3%            |
| SAU801490     | SAU801487       | 83%      | 94.4%          | 91.3%            |
| SAU801490     | SAU801488       | 63%      | 95.8%          | 91.7%            |
| SAU801490     | SAU801486       | 56%      | 100%           | 91.8%            |
| SAU801490     | SAU801490       | 100%     | 100%           | 100%             |
| SAU801490     | SEP201760       | 51%      | 97.9%          | 91.4%            |
| SAU801490     | YPS002035       | 27%      | 34.7%          | 28.3%            |
| SAU801491     | BAN101808       | 29%      | 66.7%          | 96.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801491     | BAN110636       | 34%      | 97.6%          | 98.6%            |
| SAU801491     | BFR104661       | 27%      | 68.2%          | 88.3%            |
| SAU801491     | BBU100419       | 30%      | 43.5%          | 17.7%            |
| SAU801491     | CBO100338       | 28%      | 96.9%          | 98.8%            |
| SAU801491     | LMO102271       | 33%      | 97.8%          | 98.8%            |
| SAU801491     | MGE100286       | 23%      | 26.9%          | 62.9%            |
| SAU801491     | STY104177       | 31%      | 19.0%          | 0.6%             |
| SAU801491     | STM103913       | 32%      | 19.0%          | 0.6%             |
| SAU801491     | SAU801491       | 100%     | 100%           | 100%             |
| SAU801491     | SEP200477       | 71%      | 98.8%          | 99.2%            |
| SAU801491     | SHA100281       | 68%      | 99.1%          | 99.8%            |
| SAU801491     | TPA100359       | 51%      | 6.3%           | 4.6%             |
| SAU801493     | ABA100571       | 36%      | 85.3%          | 69.1%            |
| SAU801493     | BAN106396       | 52%      | 94.3%          | 100%             |
| SAU801493     | BAN112374       | 58%      | 96.7%          | 97.9%            |
| SAU801493     | BFR101094       | 42%      | 94.7%          | 49.4%            |
| SAU801493     | BPT105047       | 36%      | 91.0%          | 38.5%            |
| SAU801493     | BCE101547       | 38%      | 63.3%          | 57.0%            |
| SAU801493     | BFU100864       | 35%      | 94.3%          | 65%              |
| SAU801493     | BMA103043       | 36%      | 93.5%          | 41.9%            |
| SAU801493     | CJU101613       | 30%      | 94.7%          | 95.7%            |
| SAU801493     | CAC103000       | 45%      | 95.9%          | 99.2%            |
| SAU801493     | CBO100831       | 45%      | 93.5%          | 96.6%            |
| SAU801493     | CDF103251       | 44%      | 95.5%          | 99.2%            |
| SAU801493     | CDP101061       | 39%      | 93.1%          | 72.0%            |
| SAU801493     | EBC103840       | 34%      | 96.7%          | 79.7%            |
| SAU801493     | EFA201902       | 52%      | 97.1%          | 100%             |
| SAU801493     | ECO103916       | 34%      | 96.7%          | 79.7%            |
| SAU801493     | HIN101172       | 34%      | 96.7%          | 68.1%            |
| SAU801493     | HPY101438       | 30%      | 92.7%          | 91.2%            |
| SAU801493     | KPN302620       | 34%      | 96.7%          | 79.4%            |
| SAU801493     | LPN101167       | 38%      | 93.5%          | 94.0%            |
| SAU801493     | LMO102115       | 58%      | 98.4%          | 98.8%            |
| SAU801493     | MCA100956       | 36%      | 85.3%          | 64.6%            |
| SAU801493     | MAV102015       | 42%      | 93.1%          | 93.5%            |
| SAU801493     | MBV105381       | 38%      | 93.1%          | 90.9%            |
| SAU801493     | MLP100850       | 39%      | 93.5%          | 90.3%            |
| SAU801493     | MTU201689       | 38%      | 93.1%          | 90.9%            |
| SAU801493     | NGO101107       | 38%      | 94.3%          | 67.1%            |
| SAU801493     | NME201432       | 37%      | 97.6%          | 94.9%            |
| SAU801493     | PMU100661       | 35%      | 88.2%          | 64.1%            |
| SAU801493     | PRT101163       | 34%      | 93.1%          | 76.0%            |
| SAU801493     | PAE203177       | 33%      | 94.7%          | 61.4%            |
| SAU801493     | PPU100429       | 35%      | 94.7%          | 66.8%            |
| SAU801493     | PSY103194       | 34%      | 94.7%          | 58.1%            |
| SAU801493     | SPA102160       | 36%      | 85.7%          | 89.2%            |
| SAU801493     | STY103030       | 34%      | 96.7%          | 83.5%            |
| SAU801493     | STM102148       | 32%      | 95.5%          | 78.9%            |
| SAU801493     | SAU801493       | 100%     | 100%           | 100%             |
| SAU801493     | SEP200481       | 84%      | 100%           | 100%             |
| SAU801493     | SHA100025       | 86%      | 41.2%          | 100%             |
| SAU801493     | SMU100469       | 51%      | 95.9%          | 97.9%            |
| SAU801493     | SPN401687       | 49%      | 95.9%          | 97.9%            |
| SAU801493     | SPY200268       | 47%      | 97.6%          | 99.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801493     | TPA100455       | 29%      | 93.1%          | 92.0%            |
| SAU801493     | VCH101160       | 35%      | 96.7%          | 75.4%            |
| SAU801493     | YPS000890       | 35%      | 96.7%          | 76.4%            |
| SAU801500     | BAN111913       | 47%      | 89.7%          | 89.5%            |
| SAU801500     | BAN102220       | 49%      | 90.4%          | 90.1%            |
| SAU801500     | CDF102758       | 24%      | 85.8%          | 67.8%            |
| SAU801500     | NGO101868       | 30%      | 22.5%          | 45.4%            |
| SAU801500     | NME200254       | 28%      | 30.1%          | 77.0%            |
| SAU801500     | SAU801500       | 100%     | 100%           | 100%             |
| SAU801500     | SEP200495       | 77%      | 99.7%          | 99.7%            |
| SAU801500     | SHA101159       | 78%      | 99.7%          | 99.7%            |
| SAU801505     | BAN108522       | 24%      | 14.0%          | 92.4%            |
| SAU801505     | BAN109710       | 38%      | 34.6%          | 96.2%            |
| SAU801505     | BAN100420       | 36%      | 97.2%          | 100%             |
| SAU801505     | BAN107027       | 45%      | 97.0%          | 97.6%            |
| SAU801505     | BFR106011       | 42%      | 97.0%          | 96.0%            |
| SAU801505     | BBU100635       | 41%      | 97.6%          | 97.9%            |
| SAU801505     | BCE103506       | 40%      | 98.0%          | 97.4%            |
| SAU801505     | BFU110875       | 40%      | 98.6%          | 92.7%            |
| SAU801505     | BMA104058       | 38%      | 97.0%          | 97.5%            |
| SAU801505     | CPN200514       | 40%      | 97.4%          | 95.7%            |
| SAU801505     | CTR200450       | 41%      | 97.4%          | 96.4%            |
| SAU801505     | CDP100263       | 35%      | 96.8%          | 99.4%            |
| SAU801505     | EBC101990       | 37%      | 97.2%          | 97.4%            |
| SAU801505     | EFA202157       | 51%      | 97.0%          | 95.7%            |
| SAU801505     | EFM200783       | 52%      | 97.0%          | 95.5%            |
| SAU801505     | ECO101820       | 37%      | 97.2%          | 97.4%            |
| SAU801505     | HIN100537       | 40%      | 96.8%          | 96.4%            |
| SAU801505     | HPY101084       | 33%      | 92.9%          | 95.5%            |
| SAU801505     | KPN301980       | 37%      | 97.2%          | 97.4%            |
| SAU801505     | LPN101375       | 36%      | 97.8%          | 97.2%            |
| SAU801505     | LMO101587       | 58%      | 97.2%          | 97.6%            |
| SAU801505     | MAV100342       | 37%      | 97.4%          | 93.4%            |
| SAU801505     | MBV100250       | 37%      | 97.4%          | 94.2%            |
| SAU801505     | MTU201428       | 37%      | 97.4%          | 94.2%            |
| SAU801505     | NGO101240       | 40%      | 97.4%          | 98.1%            |
| SAU801505     | NME201469       | 39%      | 97.4%          | 98.1%            |
| SAU801505     | PMU101549       | 40%      | 96.8%          | 96.0%            |
| SAU801505     | PRT102542       | 39%      | 97.2%          | 97.4%            |
| SAU801505     | PAE205434       | 38%      | 99.0%          | 99.6%            |
| SAU801505     | PPU102310       | 40%      | 97.6%          | 99.2%            |
| SAU801505     | PSY105445       | 40%      | 97.8%          | 96.3%            |
| SAU801505     | SPA101656       | 44%      | 50.6%          | 83.5%            |
| SAU801505     | STY102250       | 37%      | 97.2%          | 97.4%            |
| SAU801505     | SAU801505       | 100%     | 100%           | 100%             |
| SAU801505     | SEP200503       | 89%      | 99.8%          | 99.8%            |
| SAU801505     | SHA101154       | 85%      | 65.6%          | 100%             |
| SAU801505     | SPN401121       | 44%      | 97.0%          | 96.0%            |
| SAU801505     | TPA100474       | 39%      | 97.4%          | 94.8%            |
| SAU801505     | VCH103615       | 44%      | 96.8%          | 95.2%            |
| SAU801505     | YPS003483       | 38%      | 99.0%          | 98.6%            |
| SAU801507     | BAN108822       | 57%      | 99.3%          | 99.6%            |
| SAU801507     | BAN110449       | 62%      | 100%           | 94.5%            |
| SAU801507     | BFR12473        | 25%      | 67.4%          | 62.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801507     | BPT104697       | 28%      | 91.6%          | 87.1%            |
| SAU801507     | BFU109800       | 29%      | 94.0%          | 43.2%            |
| SAU801507     | BMA108112       | 30%      | 94.0%          | 44.1%            |
| SAU801507     | CBO101845       | 58%      | 98.9%          | 98.9%            |
| SAU801507     | CDP101743       | 32%      | 90.5%          | 88.5%            |
| SAU801507     | EFA202421       | 48%      | 99.1%          | 99.6%            |
| SAU801507     | EFM200113       | 48%      | 99.6%          | 99.1%            |
| SAU801507     | HIN101324       | 20%      | 66.8%          | 58.0%            |
| SAU801507     | LPN102297       | 30%      | 10.2%          | 6.7%             |
| SAU801507     | MAV101648       | 30%      | 91.6%          | 83.4%            |
| SAU801507     | MBV103520       | 30%      | 91.6%          | 82.0%            |
| SAU801507     | MTU404234       | 30%      | 91.6%          | 90.3%            |
| SAU801507     | PMU100542       | 22%      | 38.3%          | 31.1%            |
| SAU801507     | PAE202150       | 30%      | 94.2%          | 46.2%            |
| SAU801507     | PPU100890       | 30%      | 91.6%          | 44.7%            |
| SAU801507     | PSY102525       | 31%      | 94.4%          | 47.0%            |
| SAU801507     | SAU801507       | 100%     | 100%           | 100%             |
| SAU801507     | SEP200506       | 77%      | 99.8%          | 100%             |
| SAU801507     | SHA100419       | 79%      | 83.1%          | 100%             |
| SAU801507     | SMU100841       | 44%      | 100%           | 100%             |
| SAU801507     | SPN400310       | 43%      | 99.8%          | 99.8%            |
| SAU801507     | SPY201517       | 44%      | 99.8%          | 99.6%            |
| SAU801508     | BAN105249       | 39%      | 59.9%          | 59.9%            |
| SAU801508     | BAN103335       | 36%      | 98.8%          | 97.1%            |
| SAU801508     | CAC101861       | 29%      | 98.5%          | 94.5%            |
| SAU801508     | CBO101579       | 30%      | 98.8%          | 98.8%            |
| SAU801508     | EBC102003       | 28%      | 94.1%          | 97.8%            |
| SAU801508     | EFA202242       | 30%      | 95.9%          | 95.2%            |
| SAU801508     | EFM200454       | 28%      | 99.4%          | 98.2%            |
| SAU801508     | ECO101291       | 28%      | 92.9%          | 94.6%            |
| SAU801508     | LMO101532       | 28%      | 99.4%          | 98.2%            |
| SAU801508     | SAU801508       | 100%     | 100%           | 100%             |
| SAU801508     | SHA100288       | 41%      | 94.1%          | 99.7%            |
| SAU801508     | SMU101053       | 31%      | 99.7%          | 98.5%            |
| SAU801508     | SPN401919       | 34%      | 79.6%          | 81.7%            |
| SAU801508     | SPY200996       | 32%      | 99.7%          | 98.8%            |
| SAU801511     | ABA106023       | 23%      | 42.3%          | 63.5%            |
| SAU801511     | BAN111119       | 61%      | 11.5%          | 84.4%            |
| SAU801511     | BAN105234       | 53%      | 84.6%          | 97.8%            |
| SAU801511     | BAN113086       | 64%      | 98.9%          | 99.1%            |
| SAU801511     | BFR101518       | 51%      | 98.5%          | 95.5%            |
| SAU801511     | BPT101882       | 25%      | 44.0%          | 66.9%            |
| SAU801511     | BBU100560       | 49%      | 98.5%          | 99.4%            |
| SAU801511     | BCE101525       | 65%      | 98.9%          | 99.1%            |
| SAU801511     | BFU110445       | 62%      | 98.9%          | 99.1%            |
| SAU801511     | BMA101484       | 63%      | 99.4%          | 99.4%            |
| SAU801511     | CPN200393       | 47%      | 99.6%          | 98.1%            |
| SAU801511     | CTR200328       | 47%      | 98.7%          | 97.3%            |
| SAU801511     | CAC103227       | 24%      | 51.5%          | 77.7%            |
| SAU801511     | CDF100221       | 24%      | 47.2%          | 69.4%            |
| SAU801511     | CDP101096       | 52%      | 98.7%          | 96.5%            |
| SAU801511     | EBC100628       | 66%      | 60.0%          | 100%             |
| SAU801511     | EFA202110       | 67%      | 99.6%          | 99.2%            |
| SAU801511     | EFM201302       | 32%      | 96.6%          | 99%              |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801511     | ECO101988       | 66%      | 99.4%          | 99.4%            |
| SAU801511     | HIN100532       | 56%      | 98.5%          | 95.9%            |
| SAU801511     | HPY200581       | 21%      | 45.5%          | 69.8%            |
| SAU801511     | KPN300636       | 66%      | 98.3%          | 100%             |
| SAU801511     | LPN102651       | 26%      | 43.2%          | 64.4%            |
| SAU801511     | LMO100124       | 64%      | 98.9%          | 98.3%            |
| SAU801511     | MAV102693       | 49%      | 99.1%          | 95.5%            |
| SAU801511     | MBV102034       | 50%      | 93.2%          | 99.5%            |
| SAU801511     | MLP101249       | 50%      | 99.4%          | 96.5%            |
| SAU801511     | MTU201811       | 51%      | 98.7%          | 95.9%            |
| SAU801511     | NGO102016       | 54%      | 99.4%          | 97.1%            |
| SAU801511     | NME200246       | 54%      | 99.4%          | 97.1%            |
| SAU801511     | PMU101554       | 56%      | 98.5%          | 95.9%            |
| SAU801511     | PRT100074       | 66%      | 54.9%          | 98.8%            |
| SAU801511     | PAE201575       | 25%      | 41.7%          | 64.6%            |
| SAU801511     | PPU102849       | 29%      | 96.4%          | 99.1%            |
| SAU801511     | PSY105462       | 31%      | 81.0%          | 98.5%            |
| SAU801511     | SPA105071       | 66%      | 99.4%          | 99.4%            |
| SAU801511     | STY103509       | 66%      | 99.4%          | 99.4%            |
| SAU801511     | STM100645       | 21%      | 60.0%          | 89.7%            |
| SAU801511     | SAU801511       | 100%     | 100%           | 100%             |
| SAU801511     | SEP200507       | 89%      | 100%           | 100%             |
| SAU801511     | SHA102447       | 83%      | 100%           | 100%             |
| SAU801511     | SHA100561       | 91%      | 100%           | 98.7%            |
| SAU801511     | SPN400335       | 66%      | 98.9%          | 98.5%            |
| SAU801511     | SPY102341       | 66%      | 16.0%          | 97.4%            |
| SAU801511     | TPA100327       | 50%      | 99.4%          | 97.1%            |
| SAU801511     | VCH103617       | 55%      | 99.4%          | 97.1%            |
| SAU801511     | YPS002961       | 68%      | 99.1%          | 99.1%            |
| SAU801513     | BAN108627       | 35%      | 95.1%          | 96.9%            |
| SAU801513     | BAN111615       | 36%      | 95.1%          | 96.6%            |
| SAU801513     | BFR11644        | 24%      | 43.6%          | 36.4%            |
| SAU801513     | CAC100965       | 31%      | 94.5%          | 96.9%            |
| SAU801513     | CBO101390       | 31%      | 94.5%          | 93.7%            |
| SAU801513     | CDF101701       | 20%      | 91.7%          | 92.3%            |
| SAU801513     | EFA202281       | 30%      | 96.3%          | 99.1%            |
| SAU801513     | EFM101954       | 28%      | 50%            | 85.9%            |
| SAU801513     | LMO100864       | 27%      | 94.8%          | 95.1%            |
| SAU801513     | MBV104087       | 21%      | 40.5%          | 39.2%            |
| SAU801513     | MTU202534       | 21%      | 40.5%          | 39.2%            |
| SAU801513     | PAE203357       | 21%      | 42.3%          | 43.5%            |
| SAU801513     | PPU111785       | 22%      | 26.4%          | 51.7%            |
| SAU801513     | SAU801513       | 100%     | 100%           | 100%             |
| SAU801513     | SEP200509       | 76%      | 99.7%          | 100%             |
| SAU801513     | SHA100407       | 70%      | 99.7%          | 100%             |
| SAU801513     | SPN401597       | 26%      | 94.5%          | 97.5%            |
| SAU801513     | SPY200963       | 24%      | 93.6%          | 96.2%            |
| SAU801514     | BAN109993       | 70%      | 97.9%          | 98.6%            |
| SAU801514     | SAU801514       | 100%     | 100%           | 100%             |
| SAU801514     | SEP200880       | 87%      | 100%           | 100%             |
| SAU801514     | SHA100406       | 88%      | 100%           | 100%             |
| SAU801515     | BAN113643       | 43%      | 99.5%          | 98.9%            |
| SAU801515     | BAN110237       | 52%      | 99.5%          | 98.9%            |
| SAU801515     | BFR11470        | 36%      | 97.9%          | 98.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801515     | CPN200222       | 32%      | 98.3%          | 99.0%            |
| SAU801515     | CTR200670       | 30%      | 98.3%          | 93.9%            |
| SAU801515     | CDF100259       | 33%      | 69.6%          | 84.8%            |
| SAU801515     | CDP100400       | 39%      | 17.2%          | 22.2%            |
| SAU801515     | EFA201273       | 48%      | 99.8%          | 99.1%            |
| SAU801515     | LMO102719       | 56%      | 99.8%          | 99.0%            |
| SAU801515     | MBV104450       | 33%      | 46.9%          | 12.1%            |
| SAU801515     | MTU202181       | 33%      | 46.9%          | 12.1%            |
| SAU801515     | MGE100278       | 33%      | 97.6%          | 97.4%            |
| SAU801515     | SAU801515       | 100%     | 100%           | 100%             |
| SAU801515     | SEP200881       | 68%      | 100%           | 100%             |
| SAU801515     | SHA100405       | 70%      | 100%           | 100%             |
| SAU801516     | ABA101027       | 41%      | 99.7%          | 99.7%            |
| SAU801516     | BAN105255       | 43%      | 85.0%          | 90.3%            |
| SAU801516     | BAN110745       | 69%      | 100%           | 100%             |
| SAU801516     | BFR11469        | 41%      | 98.2%          | 47.0%            |
| SAU801516     | BFU108548       | 43%      | 96.3%          | 96.4%            |
| SAU801516     | CPN200731       | 43%      | 97.9%          | 47.8%            |
| SAU801516     | CTR200608       | 43%      | 97.9%          | 47.8%            |
| SAU801516     | CBO101881       | 46%      | 99.1%          | 99.7%            |
| SAU801516     | CDF100258       | 44%      | 93.9%          | 97.8%            |
| SAU801516     | EFA201271       | 56%      | 100%           | 49.6%            |
| SAU801516     | ECO100412       | 25%      | 75.2%          | 36.9%            |
| SAU801516     | KPN304382       | 26%      | 74.9%          | 75.2%            |
| SAU801516     | LMO101318       | 65%      | 100%           | 100%             |
| SAU801516     | MAV101952       | 41%      | 96.3%          | 93.2%            |
| SAU801516     | PRT104897       | 25%      | 74.3%          | 36.2%            |
| SAU801516     | PAE202246       | 43%      | 91.1%          | 88.9%            |
| SAU801516     | PSY101642       | 26%      | 70.9%          | 71.9%            |
| SAU801516     | SPA102152       | 22%      | 70.0%          | 72.5%            |
| SAU801516     | STY100985       | 23%      | 70.0%          | 69.4%            |
| SAU801516     | SAU801516       | 100%     | 100%           | 100%             |
| SAU801516     | SEP200882       | 89%      | 100%           | 100%             |
| SAU801516     | SHA100929       | 87%      | 75.8%          | 96.9%            |
| SAU801516     | SMU100292       | 40%      | 99.1%          | 98.0%            |
| SAU801516     | SPN401050       | 45%      | 97.9%          | 97.0%            |
| SAU801516     | SPY200776       | 44%      | 95.1%          | 94.9%            |
| SAU801516     | TPA100815       | 24%      | 73.1%          | 36.7%            |
| SAU801516     | VCH100873       | 24%      | 74.0%          | 36.7%            |
| SAU801516     | YPS003520       | 25%      | 75.2%          | 74.5%            |
| SAU801517     | ABA101029       | 33%      | 95.8%          | 98.4%            |
| SAU801517     | BAN100062       | 46%      | 97.9%          | 99.1%            |
| SAU801517     | BAN105443       | 55%      | 97.9%          | 97.6%            |
| SAU801517     | BFU114632       | 32%      | 96.7%          | 97.9%            |
| SAU801517     | CJU100290       | 23%      | 49.7%          | 33.8%            |
| SAU801517     | EFA103865       | 45%      | 96.1%          | 97.9%            |
| SAU801517     | LMO102895       | 55%      | 97.6%          | 97.9%            |
| SAU801517     | PPU103038       | 33%      | 95.8%          | 97.5%            |
| SAU801517     | SAU801517       | 100%     | 100%           | 100%             |
| SAU801517     | SEP200883       | 81%      | 99.1%          | 98.5%            |
| SAU801517     | SHA100928       | 82%      | 99.7%          | 99.1%            |
| SAU801517     | SPN401051       | 31%      | 96.4%          | 99.1%            |
| SAU801518     | BAN105760       | 32%      | 88.4%          | 93.5%            |
| SAU801518     | BAN100264       | 48%      | 99.2%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801518     | BFR11786        | 32%      | 96.6%          | 99.3%            |
| SAU801518     | BFR10034        | 32%      | 96.6%          | 98.9%            |
| SAU801518     | EFA201252       | 48%      | 99.2%          | 99.4%            |
| SAU801518     | LMO100523       | 46%      | 99.2%          | 99.4%            |
| SAU801518     | SAU801518       | 100%     | 100%           | 100%             |
| SAU801518     | SEP200884       | 70%      | 100%           | 100%             |
| SAU801518     | SHA100927       | 70%      | 100%           | 95.0%            |
| SAU801518     | SMU101480       | 36%      | 99.8%          | 78.5%            |
| SAU801518     | SPY200778       | 35%      | 99.8%          | 77.9%            |
| SAU801521     | ABA101203       | 40%      | 89.4%          | 87.8%            |
| SAU801521     | BAN104007       | 40%      | 90.1%          | 98.9%            |
| SAU801521     | BAN101637       | 45%      | 95.9%          | 94.9%            |
| SAU801521     | BFR11516        | 38%      | 64.2%          | 65.5%            |
| SAU801521     | BPT101397       | 37%      | 91.5%          | 89.4%            |
| SAU801521     | BCE105992       | 38%      | 97.6%          | 97.3%            |
| SAU801521     | BFU102595       | 41%      | 89.4%          | 88.7%            |
| SAU801521     | BMA106450       | 38%      | 91.5%          | 90.8%            |
| SAU801521     | CJU101550       | 42%      | 76.1%          | 78.6%            |
| SAU801521     | CPN201106       | 34%      | 66.9%          | 70.2%            |
| SAU801521     | CTR200905       | 32%      | 84.0%          | 83.2%            |
| SAU801521     | CAC100312       | 44%      | 97.6%          | 99.0%            |
| SAU801521     | CBO103178       | 44%      | 92.8%          | 91.8%            |
| SAU801521     | CDF101808       | 50%      | 76.8%          | 76.9%            |
| SAU801521     | EBC103067       | 42%      | 90.8%          | 90.3%            |
| SAU801521     | EFA202196       | 49%      | 87.7%          | 88.7%            |
| SAU801521     | EFM100682       | 48%      | 81.2%          | 89.8%            |
| SAU801521     | ECO100413       | 42%      | 90.8%          | 90.3%            |
| SAU801521     | HIN101407       | 43%      | 87.4%          | 87.5%            |
| SAU801521     | HPY100913       | 35%      | 83.3%          | 80.9%            |
| SAU801521     | KPN303447       | 42%      | 90.8%          | 90.3%            |
| SAU801521     | LPN101272       | 41%      | 82.3%          | 83.3%            |
| SAU801521     | LMO102568       | 52%      | 97.6%          | 95.9%            |
| SAU801521     | MCA102758       | 38%      | 94.5%          | 81.9%            |
| SAU801521     | MAV101215       | 32%      | 71.0%          | 53.0%            |
| SAU801521     | MBV101130       | 34%      | 70.0%          | 64.7%            |
| SAU801521     | MTU203338       | 34%      | 70.0%          | 57.1%            |
| SAU801521     | NGO100628       | 41%      | 86.0%          | 83.6%            |
| SAU801521     | NME202061       | 41%      | 86.0%          | 83.6%            |
| SAU801521     | PMU100533       | 40%      | 96.9%          | 96.3%            |
| SAU801521     | PRT101971       | 40%      | 96.2%          | 92.5%            |
| SAU801521     | PAE204040       | 41%      | 88.7%          | 88.5%            |
| SAU801521     | PPU108239       | 39%      | 90.8%          | 90.5%            |
| SAU801521     | PSY102175       | 40%      | 90.8%          | 90.5%            |
| SAU801521     | SPA103652       | 36%      | 90.8%          | 90.3%            |
| SAU801521     | STY100443       | 42%      | 90.8%          | 90.3%            |
| SAU801521     | SAU801521       | 100%     | 100%           | 100%             |
| SAU801521     | SEP200890       | 68%      | 100%           | 100%             |
| SAU801521     | SHA100008       | 69%      | 100%           | 100%             |
| SAU801521     | SMU100705       | 44%      | 95.9%          | 97.9%            |
| SAU801521     | SPN401086       | 45%      | 88.4%          | 89.7%            |
| SAU801521     | SPY201152       | 47%      | 89.1%          | 90.3%            |
| SAU801521     | VCH100874       | 44%      | 92.2%          | 92.5%            |
| SAU801521     | YPS001917       | 41%      | 91.1%          | 88.6%            |
| SAU801523     | ABA105166       | 23%      | 98.9%          | 97.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801523     | BAN107094       | 37%      | 96.6%          | 98.2%            |
| SAU801523     | BAN107312       | 41%      | 98.2%          | 97.1%            |
| SAU801523     | BFR10436        | 22%      | 98.2%          | 99.8%            |
| SAU801523     | BCE105570       | 35%      | 36.0%          | 87.3%            |
| SAU801523     | BFU106862       | 32%      | 97.8%          | 94.1%            |
| SAU801523     | BMA103262       | 32%      | 98.2%          | 85.1%            |
| SAU801523     | CJU100294       | 35%      | 74.4%          | 85.8%            |
| SAU801523     | CPN200772       | 35%      | 97.8%          | 97.5%            |
| SAU801523     | CTR200597       | 32%      | 99.1%          | 98.1%            |
| SAU801523     | CAC102940       | 37%      | 98.2%          | 98.7%            |
| SAU801523     | CBO103748       | 39%      | 84.5%          | 95.0%            |
| SAU801523     | CDF101807       | 35%      | 98.0%          | 97.5%            |
| SAU801523     | CDP100939       | 28%      | 91.5%          | 90.1%            |
| SAU801523     | EBC102031       | 36%      | 98.0%          | 95.4%            |
| SAU801523     | EFA202200       | 42%      | 99.3%          | 98.7%            |
| SAU801523     | EFM100680       | 42%      | 98.4%          | 98.4%            |
| SAU801523     | ECO102460       | 35%      | 98.0%          | 95.6%            |
| SAU801523     | HIN100377       | 37%      | 92.4%          | 94.1%            |
| SAU801523     | HPY100965       | 42%      | 17.3%          | 63.6%            |
| SAU801523     | HPY100255       | 34%      | 98.4%          | 99.0%            |
| SAU801523     | KPN304083       | 35%      | 97.8%          | 94.0%            |
| SAU801523     | LPN102596       | 32%      | 98.2%          | 98.2%            |
| SAU801523     | LMO100760       | 39%      | 97.8%          | 96.9%            |
| SAU801523     | MCA102830       | 23%      | 98.9%          | 87.8%            |
| SAU801523     | MAV100804       | 28%      | 92.6%          | 90.4%            |
| SAU801523     | MBV104380       | 28%      | 81.6%          | 79.3%            |
| SAU801523     | MLP101180       | 29%      | 92.6%          | 88.6%            |
| SAU801523     | MTU201093       | 28%      | 81.6%          | 79.3%            |
| SAU801523     | NGO101103       | 34%      | 99.1%          | 98.6%            |
| SAU801523     | NME201434       | 34%      | 99.8%          | 97.6%            |
| SAU801523     | PMU100168       | 35%      | 99.1%          | 99.3%            |
| SAU801523     | PRT103272       | 34%      | 98.0%          | 94.4%            |
| SAU801523     | PAE203774       | 33%      | 92.4%          | 89.3%            |
| SAU801523     | PPU101396       | 36%      | 91.5%          | 88.5%            |
| SAU801523     | PSY103770       | 35%      | 92.6%          | 88.8%            |
| SAU801523     | SPA100549       | 38%      | 76.9%          | 91.8%            |
| SAU801523     | STY101689       | 35%      | 98.7%          | 97.8%            |
| SAU801523     | STM101426       | 35%      | 98.7%          | 97.8%            |
| SAU801523     | SAU801523       | 100%     | 100%           | 100%             |
| SAU801523     | SEP200892       | 76%      | 100%           | 100%             |
| SAU801523     | SHA100991       | 72%      | 99.3%          | 99.3%            |
| SAU801523     | SMU100701       | 41%      | 99.1%          | 98.9%            |
| SAU801523     | SPN401088       | 42%      | 99.1%          | 98.7%            |
| SAU801523     | SPY201154       | 39%      | 99.8%          | 99.8%            |
| SAU801523     | VCH100753       | 34%      | 95.7%          | 95.5%            |
| SAU801523     | YPS003204       | 33%      | 98.7%          | 95.6%            |
| SAU801526     | ABA100122       | 49%      | 99.8%          | 98.0%            |
| SAU801526     | BAN102154       | 62%      | 97.6%          | 99.5%            |
| SAU801526     | BAN113444       | 66%      | 99.1%          | 99.3%            |
| SAU801526     | BFR11613        | 50%      | 98.4%          | 87.9%            |
| SAU801526     | BFR11898        | 53%      | 98.0%          | 87.5%            |
| SAU801526     | BPT100134       | 51%      | 98.2%          | 96.9%            |
| SAU801526     | BCE104481       | 53%      | 97.8%          | 96.5%            |
| SAU801526     | BFU115826       | 52%      | 97.8%          | 96.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801526     | BMA101045       | 52%      | 97.8%          | 96.5%            |
| SAU801526     | CJU101214       | 51%      | 98.4%          | 99.5%            |
| SAU801526     | CPN200575       | 56%      | 98.0%          | 97.1%            |
| SAU801526     | CTR200394       | 56%      | 98.2%          | 96.7%            |
| SAU801526     | CAC103617       | 60%      | 98.2%          | 98.9%            |
| SAU801526     | CBO103874       | 56%      | 98.0%          | 98.4%            |
| SAU801526     | CDF101399       | 55%      | 98.0%          | 97.4%            |
| SAU801526     | CDP100825       | 47%      | 95.1%          | 71.9%            |
| SAU801526     | EBC102634       | 49%      | 69.8%          | 99.0%            |
| SAU801526     | EFA200245       | 58%      | 99.3%          | 98.2%            |
| SAU801526     | EFM201807       | 58%      | 98.9%          | 97.2%            |
| SAU801526     | ECO103186       | 53%      | 98.2%          | 98.2%            |
| SAU801526     | HIN100951       | 54%      | 99.6%          | 99.8%            |
| SAU801526     | HPY100366       | 51%      | 98.4%          | 96.5%            |
| SAU801526     | KPN308876       | 52%      | 98.2%          | 98.2%            |
| SAU801526     | LPN102993       | 53%      | 98.2%          | 98.7%            |
| SAU801526     | LMO101165       | 68%      | 99.3%          | 98.7%            |
| SAU801526     | MCA102208       | 50%      | 98.0%          | 98.2%            |
| SAU801526     | MAV103606       | 49%      | 97.3%          | 61.9%            |
| SAU801526     | MBV101167       | 46%      | 98.0%          | 67.7%            |
| SAU801526     | MLP100439       | 47%      | 93.1%          | 69.9%            |
| SAU801526     | MTU202464       | 46%      | 98.0%          | 67.7%            |
| SAU801526     | MPN100138       | 21%      | 33.7%          | 47.6%            |
| SAU801526     | NGO101616       | 53%      | 98.0%          | 97.1%            |
| SAU801526     | NME200552       | 52%      | 98.0%          | 97.1%            |
| SAU801526     | PMU101091       | 54%      | 99.6%          | 99.8%            |
| SAU801526     | PRT100504       | 52%      | 98.2%          | 98.4%            |
| SAU801526     | PAE205431       | 54%      | 98.4%          | 93.6%            |
| SAU801526     | PPU102301       | 54%      | 98.4%          | 93.6%            |
| SAU801526     | PSY108097       | 51%      | 98.0%          | 98.4%            |
| SAU801526     | SPA101601       | 52%      | 98.2%          | 99.3%            |
| SAU801526     | STY101665       | 52%      | 98.2%          | 98.2%            |
| SAU801526     | STM102307       | 52%      | 98.2%          | 98.2%            |
| SAU801526     | SAU801526       | 100%     | 100%           | 100%             |
| SAU801526     | SEP200908       | 88%      | 99.6%          | 99.3%            |
| SAU801526     | SHA100988       | 88%      | 99.8%          | 99.8%            |
| SAU801526     | SMU100533       | 59%      | 96.9%          | 97.1%            |
| SAU801526     | SPN400385       | 56%      | 97.6%          | 96.9%            |
| SAU801526     | SPY201344       | 59%      | 97.6%          | 97.1%            |
| SAU801526     | VCH100291       | 54%      | 98.2%          | 98.7%            |
| SAU801526     | YPS003128       | 54%      | 98.2%          | 98.2%            |
| SAU801529     | SAU801529       | 100%     | 100%           | 100%             |
| SAU801530     | EFM102296       | 36%      | 26.2%          | 98.0%            |
| SAU801530     | LPN102745       | 26%      | 56.5%          | 28.1%            |
| SAU801530     | SAU801530       | 100%     | 100%           | 100%             |
| SAU801530     | SEP200922       | 73%      | 97.9%          | 53.0%            |
| SAU801530     | SHA100985       | 60%      | 97.9%          | 53.1%            |
| SAU801530     | SPN200817       | 50%      | 24.1%          | 76.7%            |
| SAU801530     | SPY100203       | 31%      | 34.6%          | 90.4%            |
| SAU801537     | ABA100533       | 28%      | 20.7%          | 29.6%            |
| SAU801537     | BAN111655       | 51%      | 88.7%          | 99.1%            |
| SAU801537     | BAN103769       | 52%      | 97.0%          | 96.7%            |
| SAU801537     | BFR10109        | 42%      | 97.2%          | 98.6%            |
| SAU801537     | BPT101499       | 38%      | 98.3%          | 96.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801537     | BCE108544       | 37%      | 97.2%          | 96.0%            |
| SAU801537     | BFU101740       | 38%      | 97.8%          | 96.5%            |
| SAU801537     | BMA104071       | 39%      | 97.2%          | 96.0%            |
| SAU801537     | CBO100281       | 49%      | 97.8%          | 95.5%            |
| SAU801537     | EBC102214       | 41%      | 97.0%          | 96.4%            |
| SAU801537     | ECO102841       | 42%      | 97.0%          | 96.4%            |
| SAU801537     | HIN100446       | 29%      | 16.0%          | 20.7%            |
| SAU801537     | HPY100369       | 30%      | 23.7%          | 11.4%            |
| SAU801537     | KPN302317       | 42%      | 97.0%          | 96.4%            |
| SAU801537     | LPN102134       | 43%      | 96.7%          | 96.4%            |
| SAU801537     | LMO101246       | 51%      | 97.5%          | 97.2%            |
| SAU801537     | MCA103134       | 37%      | 97.0%          | 95.6%            |
| SAU801537     | MAV101181       | 38%      | 97.8%          | 96.5%            |
| SAU801537     | MBV103611       | 37%      | 97.2%          | 92.9%            |
| SAU801537     | MLP100525       | 36%      | 97.5%          | 96.2%            |
| SAU801537     | MTU202177       | 37%      | 97.2%          | 92.9%            |
| SAU801537     | NGO101406       | 40%      | 97.2%          | 95.9%            |
| SAU801537     | NME200699       | 39%      | 97.2%          | 95.4%            |
| SAU801537     | PRT102357       | 40%      | 97.0%          | 96.4%            |
| SAU801537     | PAE205210       | 40%      | 96.7%          | 96.1%            |
| SAU801537     | PPU102197       | 40%      | 97.0%          | 96.4%            |
| SAU801537     | PSY103024       | 42%      | 89.8%          | 90%              |
| SAU801537     | SPA100601       | 41%      | 80.4%          | 94.8%            |
| SAU801537     | STY104162       | 41%      | 97.0%          | 96.4%            |
| SAU801537     | SAU801537       | 100%     | 100%           | 100%             |
| SAU801537     | SEP200945       | 76%      | 100%           | 100%             |
| SAU801537     | SHA100726       | 78%      | 66.1%          | 100%             |
| SAU801537     | YPS000179       | 41%      | 97.0%          | 96.2%            |
| SAU801552     | BAN111435       | 27%      | 10.4%          | 98.6%            |
| SAU801552     | BAN111478       | 36%      | 61.2%          | 99.8%            |
| SAU801552     | BAN101568       | 36%      | 95.5%          | 97.6%            |
| SAU801552     | BAN101801       | 44%      | 68.0%          | 99.8%            |
| SAU801552     | BAN109554       | 36%      | 96.8%          | 96.5%            |
| SAU801552     | BAN100977       | 45%      | 84.9%          | 98.2%            |
| SAU801552     | BAN112527       | 41%      | 97.7%          | 97.1%            |
| SAU801552     | BAN109997       | 42%      | 99.1%          | 98.4%            |
| SAU801552     | EFA200268       | 37%      | 95.8%          | 95.9%            |
| SAU801552     | EFM202382       | 38%      | 94.5%          | 93.6%            |
| SAU801552     | LMO101809       | 40%      | 99.4%          | 96.0%            |
| SAU801552     | SAU801552       | 100%     | 100%           | 100%             |
| SAU801552     | SEP200968       | 84%      | 99.6%          | 98.6%            |
| SAU801552     | SHA101019       | 79%      | 99.1%          | 99.9%            |
| SAU801552     | SMU100731       | 33%      | 97.4%          | 98.3%            |
| SAU801552     | SPN401516       | 32%      | 95.9%          | 97.7%            |
| SAU801552     | SPY102094       | 27%      | 28.1%          | 100%             |
| SAU801554     | BAN103376       | 41%      | 94.9%          | 97.7%            |
| SAU801554     | BAN106361       | 45%      | 98.5%          | 98.5%            |
| SAU801554     | EFA200380       | 41%      | 97.8%          | 93.8%            |
| SAU801554     | LMO100045       | 51%      | 98.5%          | 95.7%            |
| SAU801554     | SAU801554       | 100%     | 100%           | 100%             |
| SAU801554     | SEP200986       | 85%      | 99.3%          | 97.1%            |
| SAU801554     | SHA101073       | 83%      | 99.3%          | 96.4%            |
| SAU801557     | BAN104029       | 74%      | 91.2%          | 98.5%            |
| SAU801557     | BAN112485       | 72%      | 99.3%          | 99.0%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801557     | BFR10491        | 33%      | 86.8%          | 92.4%            |
| SAU801557     | BFU108696       | 48%      | 13.2%          | 11.6%            |
| SAU801557     | CPN200013       | 32%      | 87.5%          | 89.1%            |
| SAU801557     | CTR200902       | 33%      | 87.5%          | 90.6%            |
| SAU801557     | CAC100742       | 27%      | 54.4%          | 57.4%            |
| SAU801557     | CBO101029       | 24%      | 77.4%          | 82.3%            |
| SAU801557     | CDF102470       | 40%      | 94.6%          | 97.1%            |
| SAU801557     | EBC100541       | 26%      | 33.8%          | 93.5%            |
| SAU801557     | EFA201039       | 70%      | 100%           | 99.7%            |
| SAU801557     | EFM200108       | 69%      | 97.6%          | 96.3%            |
| SAU801557     | ECO102118       | 32%      | 86.8%          | 90.9%            |
| SAU801557     | KPN302671       | 34%      | 86.8%          | 91.2%            |
| SAU801557     | LMO101207       | 71%      | 98.3%          | 98.0%            |
| SAU801557     | MAV102930       | 29%      | 61.1%          | 84.6%            |
| SAU801557     | MBV100817       | 31%      | 81.4%          | 86.9%            |
| SAU801557     | MLP101143       | 31%      | 81.4%          | 86.9%            |
| SAU801557     | MTU200667       | 31%      | 81.4%          | 86.9%            |
| SAU801557     | MGE100240       | 36%      | 94.6%          | 95.2%            |
| SAU801557     | MPN100508       | 41%      | 94.6%          | 96.9%            |
| SAU801557     | PRT103078       | 34%      | 86.8%          | 92.2%            |
| SAU801557     | SPA101840       | 33%      | 80.4%          | 85.5%            |
| SAU801557     | STY104295       | 33%      | 86.8%          | 90.9%            |
| SAU801557     | STM104044       | 33%      | 86.8%          | 90.9%            |
| SAU801557     | SAU801557       | 100%     | 100%           | 100%             |
| SAU801557     | SEP200992       | 86%      | 100%           | 100%             |
| SAU801557     | SHA101070       | 85%      | 100%           | 99.0%            |
| SAU801557     | UUR100308       | 44%      | 100%           | 98.0%            |
| SAU801557     | VCH102325       | 33%      | 87.2%          | 90.9%            |
| SAU801557     | YPS001104       | 32%      | 86.8%          | 90.9%            |
| SAU801558     | BAN101728       | 35%      | 95.5%          | 100%             |
| SAU801558     | BAN104506       | 45%      | 95.5%          | 98.6%            |
| SAU801558     | EFA202379       | 44%      | 98.4%          | 97.8%            |
| SAU801558     | EFM202075       | 45%      | 98.4%          | 99.3%            |
| SAU801558     | LMO101935       | 42%      | 96.0%          | 98.9%            |
| SAU801558     | SAU801558       | 100%     | 100%           | 100%             |
| SAU801558     | SEP200994       | 82%      | 99.6%          | 99.8%            |
| SAU801558     | SHA101069       | 81%      | 100%           | 100%             |
| SAU801558     | SMU101455       | 44%      | 98.7%          | 99.1%            |
| SAU801558     | SPN400670       | 43%      | 98.7%          | 99.1%            |
| SAU801558     | SPY201279       | 41%      | 98.7%          | 99.1%            |
| SAU801558     | UUR100589       | 34%      | 96.4%          | 96.8%            |
| SAU801565     | BAN102454       | 62%      | 99.1%          | 100%             |
| SAU801565     | BAN109844       | 74%      | 99.1%          | 99.3%            |
| SAU801565     | BFR10455        | 50%      | 97.8%          | 96.1%            |
| SAU801565     | BBU100370       | 49%      | 97.8%          | 96.4%            |
| SAU801565     | CAC103604       | 68%      | 99.4%          | 99.1%            |
| SAU801565     | CBO100196       | 69%      | 99.6%          | 99.1%            |
| SAU801565     | CDP100533       | 48%      | 98.5%          | 97.8%            |
| SAU801565     | MAV106180       | 50%      | 99.8%          | 92.5%            |
| SAU801565     | MBV102613       | 51%      | 99.8%          | 94.4%            |
| SAU801565     | MLP100499       | 48%      | 99.8%          | 98.7%            |
| SAU801565     | MTU202321       | 51%      | 99.8%          | 98.7%            |
| SAU801565     | MGE100255       | 42%      | 97.8%          | 98.0%            |
| SAU801565     | MPN100482       | 41%      | 98.1%          | 97.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801565     | SAU801565       | 100%     | 100%           | 100%             |
| SAU801565     | SEP201018       | 93%      | 100%           | 100%             |
| SAU801565     | SHA101653       | 92%      | 100%           | 100%             |
| SAU801565     | TPA100664       | 45%      | 98.9%          | 98.9%            |
| SAU801565     | UUR100498       | 52%      | 98.9%          | 96.6%            |
| SAU801567     | ABA104706       | 41%      | 98.0%          | 89.2%            |
| SAU801567     | BAN106100       | 53%      | 95.7%          | 99.7%            |
| SAU801567     | BAN104384       | 66%      | 98.7%          | 98.0%            |
| SAU801567     | BFR10151        | 44%      | 98.3%          | 99.7%            |
| SAU801567     | BPT102612       | 36%      | 97.7%          | 98.3%            |
| SAU801567     | BBU100659       | 37%      | 96.3%          | 99.0%            |
| SAU801567     | BCE103799       | 39%      | 98.0%          | 97.7%            |
| SAU801567     | BFU101300       | 38%      | 98.0%          | 97.7%            |
| SAU801567     | BMA106167       | 40%      | 98.0%          | 97.7%            |
| SAU801567     | CJU100617       | 33%      | 96.3%          | 97.9%            |
| SAU801567     | CAC100901       | 50%      | 97.0%          | 97.6%            |
| SAU801567     | CBO100020       | 51%      | 97.0%          | 98.0%            |
| SAU801567     | CDF104210       | 56%      | 97.0%          | 98.3%            |
| SAU801567     | CDP100545       | 39%      | 90.0%          | 100%             |
| SAU801567     | EBC102411       | 38%      | 80.9%          | 98.0%            |
| SAU801567     | EFA200395       | 63%      | 99.3%          | 99%              |
| SAU801567     | EFM200497       | 62%      | 99.7%          | 99.7%            |
| SAU801567     | ECO102517       | 39%      | 97.3%          | 97.0%            |
| SAU801567     | HIN100012       | 40%      | 97.3%          | 96.7%            |
| SAU801567     | HPY100512       | 32%      | 98.7%          | 98.0%            |
| SAU801567     | KPN303149       | 40%      | 99.3%          | 99.7%            |
| SAU801567     | LPN101153       | 39%      | 96.3%          | 97.6%            |
| SAU801567     | LMO100968       | 58%      | 98.3%          | 98.0%            |
| SAU801567     | MCA101618       | 40%      | 97.0%          | 91.2%            |
| SAU801567     | MAV106432       | 44%      | 98.3%          | 100%             |
| SAU801567     | MBV102618       | 43%      | 98.3%          | 97.1%            |
| SAU801567     | MLP100395       | 42%      | 98.3%          | 99.3%            |
| SAU801567     | MTU202328       | 43%      | 98.3%          | 100%             |
| SAU801567     | MPN100274       | 24%      | 90.0%          | 93.1%            |
| SAU801567     | NGO101005       | 38%      | 97.0%          | 89.8%            |
| SAU801567     | NME200824       | 38%      | 97.0%          | 94.8%            |
| SAU801567     | PMU100060       | 38%      | 97.3%          | 95.4%            |
| SAU801567     | PRT105132       | 39%      | 97.3%          | 96.7%            |
| SAU801567     | PAE200770       | 38%      | 97.0%          | 95.1%            |
| SAU801567     | PPU107911       | 39%      | 97.0%          | 96.7%            |
| SAU801567     | PSY102356       | 40%      | 98.0%          | 97.7%            |
| SAU801567     | SPA103313       | 39%      | 97.3%          | 97.0%            |
| SAU801567     | STY102109       | 39%      | 97.3%          | 97.0%            |
| SAU801567     | SAU801567       | 100%     | 100%           | 100%             |
| SAU801567     | SEP201022       | 94%      | 100%           | 100%             |
| SAU801567     | SHA101651       | 92%      | 100%           | 100%             |
| SAU801567     | SMU101127       | 61%      | 97.0%          | 97.3%            |
| SAU801567     | SPN400871       | 62%      | 97.7%          | 98.0%            |
| SAU801567     | SPY200342       | 60%      | 98.3%          | 99.0%            |
| SAU801567     | TPA100535       | 30%      | 97.0%          | 97.5%            |
| SAU801567     | UUR100496       | 34%      | 97.0%          | 96.4%            |
| SAU801567     | VCH102424       | 40%      | 97.3%          | 90.2%            |
| SAU801567     | YPS002232       | 38%      | 97.3%          | 96.4%            |
| SAU801572     | ECO101986       | 22%      | 65.1%          | 43.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801572     | SPA101417       | 27%      | 41.8%          | 43.4%            |
| SAU801572     | STY102068       | 27%      | 41.8%          | 43.9%            |
| SAU801572     | SAU801572       | 100%     | 100%           | 100%             |
| SAU801572     | SEP201028       | 46%      | 100%           | 100%             |
| SAU801572     | SHA101646       | 42%      | 100%           | 100%             |
| SAU801580     | ABA101828       | 59%      | 82.5%          | 100%             |
| SAU801580     | BAN105420       | 62%      | 40.5%          | 99.6%            |
| SAU801580     | BAN112806       | 79%      | 57.5%          | 100%             |
| SAU801580     | BAN101659       | 75%      | 99.5%          | 99.8%            |
| SAU801580     | BFR104209       | 60%      | 99.2%          | 100%             |
| SAU801580     | BPT102710       | 57%      | 99.5%          | 99.8%            |
| SAU801580     | BBU100517       | 61%      | 100%           | 100%             |
| SAU801580     | BCE103385       | 55%      | 99.5%          | 100%             |
| SAU801580     | BFU102634       | 55%      | 99.5%          | 100%             |
| SAU801580     | BMA105956       | 55%      | 96.1%          | 93.8%            |
| SAU801580     | CJU100698       | 57%      | 98.4%          | 99.7%            |
| SAU801580     | CPN200248       | 57%      | 99.7%          | 98.9%            |
| SAU801580     | CTR200665       | 58%      | 98.9%          | 97.9%            |
| SAU801580     | CAC101902       | 64%      | 99.8%          | 100%             |
| SAU801580     | CBO102574       | 64%      | 99.5%          | 99.8%            |
| SAU801580     | CDF100724       | 66%      | 99.5%          | 99.8%            |
| SAU801580     | CDP101465       | 60%      | 99.8%          | 99.3%            |
| SAU801580     | EBC103112       | 37%      | 95.6%          | 96.3%            |
| SAU801580     | EFA200573       | 77%      | 99.8%          | 100%             |
| SAU801580     | EFM201964       | 82%      | 8.5%           | 100%             |
| SAU801580     | ECO100014       | 55%      | 99.3%          | 99.7%            |
| SAU801580     | HIN101209       | 53%      | 99.5%          | 99.8%            |
| SAU801580     | HPY100107       | 55%      | 99.7%          | 98.9%            |
| SAU801580     | KPN301135       | 54%      | 94.9%          | 99.0%            |
| SAU801580     | LPN102089       | 55%      | 100%           | 100%             |
| SAU801580     | LMO100117       | 76%      | 100%           | 99.7%            |
| SAU801580     | MCA103113       | 55%      | 99.3%          | 99.8%            |
| SAU801580     | MAV101249       | 63%      | 76.2%          | 100%             |
| SAU801580     | MBV102185       | 58%      | 100%           | 99.7%            |
| SAU801580     | MLP101485       | 58%      | 100%           | 99.7%            |
| SAU801580     | MTU200349       | 58%      | 100%           | 99.7%            |
| SAU801580     | MGE100311       | 57%      | 95.2%          | 98.8%            |
| SAU801580     | MPN100407       | 56%      | 95.2%          | 98.8%            |
| SAU801580     | NGO101449       | 56%      | 99.8%          | 100%             |
| SAU801580     | NME200678       | 56%      | 99.8%          | 100%             |
| SAU801580     | PMU100736       | 57%      | 99.5%          | 99.8%            |
| SAU801580     | PRT105582       | 53%      | 100%           | 100%             |
| SAU801580     | PAE204757       | 56%      | 99.5%          | 99.8%            |
| SAU801580     | PPU100111       | 56%      | 100%           | 100%             |
| SAU801580     | PSY104756       | 55%      | 99.3%          | 99.7%            |
| SAU801580     | SPA100920       | 53%      | 99.3%          | 99.7%            |
| SAU801580     | STY100388       | 55%      | 99.3%          | 99.7%            |
| SAU801580     | STM100061       | 55%      | 99.3%          | 99.7%            |
| SAU801580     | SAU801580       | 100%     | 100%           | 100%             |
| SAU801580     | SEP201054       | 90%      | 100%           | 99.8%            |
| SAU801580     | SHA100529       | 91%      | 100%           | 99.8%            |
| SAU801580     | SMU101376       | 72%      | 99.7%          | 99.3%            |
| SAU801580     | SPN400455       | 74%      | 98.9%          | 99.8%            |
| SAU801580     | SPY201356       | 74%      | 98.9%          | 99.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801580     | TPA100214       | 58%      | 100%           | 100%             |
| SAU801580     | UUR100341       | 56%      | 98.4%          | 99.2%            |
| SAU801580     | VCH100839       | 55%      | 99.8%          | 100%             |
| SAU801580     | YPS000806       | 54%      | 99.3%          | 99.7%            |
| SAU801593     | BAN110580       | 35%      | 93.8%          | 96.8%            |
| SAU801593     | BAN111416       | 42%      | 93.8%          | 95.2%            |
| SAU801593     | CAC102263       | 43%      | 87.6%          | 89.4%            |
| SAU801593     | CBO100870       | 36%      | 92.3%          | 89%              |
| SAU801593     | CDF103337       | 40%      | 94.3%          | 96.3%            |
| SAU801593     | EFA200252       | 40%      | 88.7%          | 86.7%            |
| SAU801593     | EFM200106       | 37%      | 88.7%          | 87.2%            |
| SAU801593     | LMO100476       | 39%      | 88.1%          | 88.5%            |
| SAU801593     | MGE100245       | 32%      | 63.4%          | 41.4%            |
| SAU801593     | MPN100500       | 32%      | 65.5%          | 42.6%            |
| SAU801593     | SAU801593       | 100%     | 100%           | 100%             |
| SAU801593     | SEP201082       | 81%      | 100%           | 100%             |
| SAU801593     | SHA101365       | 79%      | 100%           | 100%             |
| SAU801593     | SMU101104       | 35%      | 94.8%          | 92.4%            |
| SAU801593     | SPN401589       | 36%      | 89.2%          | 86.8%            |
| SAU801593     | SPY200226       | 32%      | 92.8%          | 91.4%            |
| SAU801593     | TPA100732       | 32%      | 63.9%          | 68.1%            |
| SAU801596     | ABA104791       | 36%      | 92.5%          | 95.4%            |
| SAU801596     | BAN105708       | 35%      | 98.9%          | 98.9%            |
| SAU801596     | BAN100439       | 43%      | 98.9%          | 98.6%            |
| SAU801596     | BFR100940       | 32%      | 91.8%          | 98.4%            |
| SAU801596     | BPT102959       | 32%      | 98.5%          | 95.8%            |
| SAU801596     | BCE113860       | 30%      | 94.4%          | 93.3%            |
| SAU801596     | BFU107002       | 32%      | 92.9%          | 88.2%            |
| SAU801596     | BMA107935       | 33%      | 94.4%          | 93.3%            |
| SAU801596     | CJU100373       | 33%      | 98.9%          | 98.9%            |
| SAU801596     | CPN200802       | 29%      | 91.4%          | 49.5%            |
| SAU801596     | CTR200639       | 30%      | 91.0%          | 48.7%            |
| SAU801596     | CAC100326       | 28%      | 93.7%          | 68.1%            |
| SAU801596     | CBO101162       | 30%      | 90.7%          | 94.6%            |
| SAU801596     | CDF100361       | 32%      | 95.1%          | 94.8%            |
| SAU801596     | CDP100373       | 27%      | 98.9%          | 94.5%            |
| SAU801596     | EBC103139       | 29%      | 57.1%          | 87.6%            |
| SAU801596     | EFA201865       | 32%      | 95.9%          | 94.8%            |
| SAU801596     | ECO101660       | 31%      | 95.9%          | 95.8%            |
| SAU801596     | HIN100636       | 31%      | 98.5%          | 97.4%            |
| SAU801596     | HPY101232       | 34%      | 90.7%          | 90.5%            |
| SAU801596     | KPN301549       | 34%      | 95.1%          | 96.1%            |
| SAU801596     | LPN102392       | 32%      | 91.8%          | 92.5%            |
| SAU801596     | LMO101551       | 46%      | 99.3%          | 98.9%            |
| SAU801596     | MCA103619       | 32%      | 95.5%          | 98.5%            |
| SAU801596     | MAV103673       | 24%      | 95.5%          | 98.1%            |
| SAU801596     | MBV100973       | 25%      | 97.0%          | 96.6%            |
| SAU801596     | MLP100312       | 24%      | 97.0%          | 94.2%            |
| SAU801596     | MTU202515       | 25%      | 97.0%          | 96.3%            |
| SAU801596     | NGO100780       | 32%      | 94.4%          | 91.0%            |
| SAU801596     | NME201966       | 33%      | 94.4%          | 93.7%            |
| SAU801596     | PMU101271       | 32%      | 91.8%          | 93.3%            |
| SAU801596     | PRT105310       | 30%      | 94.8%          | 94.9%            |
| SAU801596     | PAE200243       | 27%      | 94.8%          | 93.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801596     | PPU111361       | 30%      | 94.8%          | 94.3%            |
| SAU801596     | PSY102591       | 31%      | 94.4%          | 93.3%            |
| SAU801596     | SPA104338       | 34%      | 91.4%          | 91.5%            |
| SAU801596     | STY101862       | 34%      | 91.4%          | 91.5%            |
| SAU801596     | SAU801596       | 100%     | 100%           | 100%             |
| SAU801596     | SEP201086       | 71%      | 100%           | 99.6%            |
| SAU801596     | SHA101362       | 67%      | 99.6%          | 99.6%            |
| SAU801596     | SMU100089       | 33%      | 98.9%          | 96.5%            |
| SAU801596     | SPN401233       | 34%      | 92.5%          | 91.2%            |
| SAU801596     | SPY201222       | 34%      | 95.1%          | 93.8%            |
| SAU801596     | VCH100056       | 32%      | 91.8%          | 89.9%            |
| SAU801596     | YPS002545       | 35%      | 99.6%          | 97.8%            |
| SAU801597     | BAN105757       | 48%      | 99.5%          | 100%             |
| SAU801597     | BAN111582       | 52%      | 100%           | 100%             |
| SAU801597     | EFA200249       | 48%      | 100%           | 100%             |
| SAU801597     | EFM202278       | 48%      | 98.9%          | 99.5%            |
| SAU801597     | LMO102317       | 49%      | 100%           | 100%             |
| SAU801597     | SAU801597       | 100%     | 100%           | 100%             |
| SAU801597     | SEP201087       | 84%      | 100%           | 100%             |
| SAU801597     | SHA101361       | 83%      | 100%           | 100%             |
| SAU801597     | SMU101110       | 46%      | 98.9%          | 99.2%            |
| SAU801597     | SPN401592       | 48%      | 100%           | 100%             |
| SAU801597     | SPY200223       | 47%      | 98.9%          | 99.2%            |
| SAU801597     | UUR100473       | 29%      | 96.2%          | 95.8%            |
| SAU801599     | ABA100279       | 24%      | 84.6%          | 72.8%            |
| SAU801599     | BAN101650       | 46%      | 89.5%          | 88.9%            |
| SAU801599     | BAN108836       | 47%      | 99.6%          | 98.7%            |
| SAU801599     | BFR104094       | 28%      | 81.6%          | 87.2%            |
| SAU801599     | BPT102655       | 20%      | 68.0%          | 31.7%            |
| SAU801599     | BBU100587       | 35%      | 98.7%          | 89.1%            |
| SAU801599     | BBU100374       | 36%      | 98.7%          | 98.7%            |
| SAU801599     | BCE100924       | 30%      | 96.5%          | 90.2%            |
| SAU801599     | BFU109681       | 30%      | 96.5%          | 76.0%            |
| SAU801599     | BMA103603       | 29%      | 96.5%          | 90.8%            |
| SAU801599     | CJU100106       | 33%      | 99.6%          | 98.7%            |
| SAU801599     | CPN200522       | 22%      | 68.4%          | 60.6%            |
| SAU801599     | CAC100045       | 40%      | 99.6%          | 99.1%            |
| SAU801599     | CBO101197       | 40%      | 99.6%          | 99.1%            |
| SAU801599     | CDF101106       | 43%      | 96.9%          | 96.1%            |
| SAU801599     | CDP102826       | 24%      | 78.5%          | 83.7%            |
| SAU801599     | EBC102139       | 52%      | 98.7%          | 96.6%            |
| SAU801599     | EFA200856       | 47%      | 99.6%          | 98.7%            |
| SAU801599     | EFM202072       | 46%      | 99.6%          | 98.7%            |
| SAU801599     | ECO100159       | 54%      | 99.6%          | 97.8%            |
| SAU801599     | HIN101188       | 53%      | 99.6%          | 99.1%            |
| SAU801599     | HPY100087       | 36%      | 99.6%          | 98.3%            |
| SAU801599     | KPN306028       | 52%      | 99.6%          | 97.8%            |
| SAU801599     | LMO102202       | 50%      | 99.6%          | 99.1%            |
| SAU801599     | MBV102135       | 30%      | 99.6%          | 97.3%            |
| SAU801599     | MTU200091       | 30%      | 99.6%          | 97.3%            |
| SAU801599     | NGO100042       | 47%      | 99.6%          | 97.9%            |
| SAU801599     | NME200901       | 45%      | 99.6%          | 97.9%            |
| SAU801599     | PMU100194       | 52%      | 99.6%          | 99.1%            |
| SAU801599     | PRT104077       | 48%      | 99.6%          | 96.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801599     | PAE203967       | 24%      | 75.4%          | 35.3%            |
| SAU801599     | PPU107143       | 29%      | 80.7%          | 86.7%            |
| SAU801599     | PSY105099       | 24%      | 75.4%          | 36.1%            |
| SAU801599     | SPA102658       | 53%      | 99.6%          | 97.8%            |
| SAU801599     | STY103498       | 53%      | 99.6%          | 97.8%            |
| SAU801599     | SAU801599       | 100%     | 100%           | 100%             |
| SAU801599     | SEP201090       | 71%      | 100%           | 100%             |
| SAU801599     | SHA101359       | 71%      | 100%           | 100%             |
| SAU801599     | SMU101154       | 42%      | 96.5%          | 95.2%            |
| SAU801599     | SPN400894       | 43%      | 99.6%          | 98.7%            |
| SAU801599     | SPY200320       | 41%      | 99.6%          | 98.3%            |
| SAU801599     | TPA100168       | 35%      | 95.2%          | 89.2%            |
| SAU801599     | UUR100475       | 40%      | 50%            | 95.8%            |
| SAU801599     | VCH102344       | 53%      | 99.6%          | 98.7%            |
| SAU801599     | YPS000146       | 50%      | 99.6%          | 97.4%            |
| SAU801605     | ABA100484       | 46%      | 99.2%          | 97.6%            |
| SAU801605     | BAN111697       | 60%      | 17.2%          | 70.5%            |
| SAU801605     | BAN107867       | 55%      | 66.4%          | 98.2%            |
| SAU801605     | BAN106428       | 54%      | 93.6%          | 92.9%            |
| SAU801605     | BPT101355       | 52%      | 98.8%          | 98.8%            |
| SAU801605     | BCE104528       | 36%      | 95.2%          | 91.0%            |
| SAU801605     | BCE107667       | 44%      | 98.8%          | 89.0%            |
| SAU801605     | BFU103189       | 46%      | 99.6%          | 94.6%            |
| SAU801605     | BMA104515       | 44%      | 99.6%          | 93.1%            |
| SAU801605     | CJU101450       | 55%      | 99.6%          | 97.6%            |
| SAU801605     | CDF102700       | 49%      | 98.4%          | 90.8%            |
| SAU801605     | EBC100474       | 43%      | 55.6%          | 98.5%            |
| SAU801605     | ECO100696       | 45%      | 98%            | 98.4%            |
| SAU801605     | HIN101694       | 45%      | 98.4%          | 93.8%            |
| SAU801605     | KPN300310       | 33%      | 46%            | 69.0%            |
| SAU801605     | KPN300091       | 36%      | 28.4%          | 93.4%            |
| SAU801605     | KPN302568       | 42%      | 99.6%          | 98.8%            |
| SAU801605     | MAV102722       | 40%      | 98.8%          | 98.0%            |
| SAU801605     | MLP100225       | 40%      | 98.8%          | 98.0%            |
| SAU801605     | NME200029       | 44%      | 99.2%          | 99.2%            |
| SAU801605     | PRT102094       | 47%      | 98.4%          | 97.2%            |
| SAU801605     | PAE202110       | 42%      | 94.4%          | 96.8%            |
| SAU801605     | PPU106297       | 38%      | 98.4%          | 95.7%            |
| SAU801605     | PSY104029       | 44%      | 98.4%          | 96.1%            |
| SAU801605     | SPA102223       | 40%      | 96%            | 98.7%            |
| SAU801605     | STY101893       | 45%      | 94.8%          | 95.1%            |
| SAU801605     | STM101632       | 44%      | 98.8%          | 99.2%            |
| SAU801605     | SAU801605       | 100%     | 100%           | 100%             |
| SAU801605     | SEP201114       | 74%      | 100%           | 100%             |
| SAU801605     | SHA100233       | 78%      | 100%           | 100%             |
| SAU801605     | VCH103496       | 39%      | 95.2%          | 97.2%            |
| SAU801605     | YPS001546       | 46%      | 98.8%          | 98.8%            |
| SAU801606     | KPN105172       | 57%      | 27.8%          | 97.7%            |
| SAU801606     | SAU801606       | 100%     | 100%           | 100%             |
| SAU801606     | SEP201117       | 80%      | 99.8%          | 99.8%            |
| SAU801606     | SHA100232       | 84%      | 93.4%          | 100%             |
| SAU801615     | BAN102459       | 37%      | 86.3%          | 94.6%            |
| SAU801615     | BAN105001       | 37%      | 86.3%          | 91.6%            |
| SAU801615     | CBO101692       | 29%      | 81.4%          | 89.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801615     | CDF103625       | 29%      | 97.1%          | 82.3%            |
| SAU801615     | EFA200710       | 48%      | 100%           | 82.4%            |
| SAU801615     | EFM202242       | 46%      | 100%           | 97.0%            |
| SAU801615     | LMO102296       | 40%      | 94.1%          | 89%              |
| SAU801615     | SAU801615       | 100%     | 100%           | 100%             |
| SAU801615     | SEP201157       | 89%      | 100%           | 100%             |
| SAU801615     | SHA101193       | 89%      | 100%           | 100%             |
| SAU801615     | SMU101202       | 41%      | 97.1%          | 97.0%            |
| SAU801615     | SPN400177       | 42%      | 98.0%          | 97.0%            |
| SAU801615     | SPY201612       | 40%      | 97.1%          | 97.0%            |
| SAU801616     | ABA100403       | 30%      | 74.8%          | 62.3%            |
| SAU801616     | BAN104572       | 59%      | 98.4%          | 87.6%            |
| SAU801616     | BAN108104       | 61%      | 98.4%          | 87.6%            |
| SAU801616     | BFR12028        | 31%      | 98.4%          | 97.5%            |
| SAU801616     | BCE103090       | 27%      | 86.2%          | 70.5%            |
| SAU801616     | CPN200515       | 38%      | 83.7%          | 67.5%            |
| SAU801616     | CTR200449       | 39%      | 75.6%          | 63.5%            |
| SAU801616     | CAC101999       | 49%      | 99.2%          | 88.1%            |
| SAU801616     | CBO100417       | 50%      | 99.2%          | 86.9%            |
| SAU801616     | CDF100891       | 55%      | 97.6%          | 83.0%            |
| SAU801616     | CDP100379       | 27%      | 98.4%          | 75.4%            |
| SAU801616     | EBC103406       | 26%      | 91.9%          | 79.7%            |
| SAU801616     | EFA200711       | 54%      | 98.4%          | 86.4%            |
| SAU801616     | EFM201893       | 55%      | 97.6%          | 83.9%            |
| SAU801616     | ECO102884       | 26%      | 91.9%          | 79.7%            |
| SAU801616     | HIN100291       | 26%      | 71.5%          | 62.6%            |
| SAU801616     | KPN302112       | 26%      | 91.9%          | 79.1%            |
| SAU801616     | LPN100282       | 29%      | 71.5%          | 62.6%            |
| SAU801616     | LMO101308       | 56%      | 98.4%          | 87.0%            |
| SAU801616     | MCA100969       | 26%      | 89.4%          | 70.3%            |
| SAU801616     | MAV104478       | 31%      | 91.1%          | 45.6%            |
| SAU801616     | MBV100969       | 37%      | 65.0%          | 47.1%            |
| SAU801616     | MLP100310       | 31%      | 96.7%          | 63.6%            |
| SAU801616     | MTU202517       | 37%      | 65.0%          | 47.1%            |
| SAU801616     | NGO100112       | 35%      | 64.2%          | 51.7%            |
| SAU801616     | NME201410       | 34%      | 64.2%          | 51.7%            |
| SAU801616     | PRT104009       | 31%      | 75.6%          | 66.2%            |
| SAU801616     | PAE200403       | 25%      | 91.1%          | 77.1%            |
| SAU801616     | PPU109370       | 23%      | 92.7%          | 80.9%            |
| SAU801616     | PSY105925       | 24%      | 91.9%          | 80.1%            |
| SAU801616     | SPA102544       | 27%      | 72.4%          | 63.8%            |
| SAU801616     | STY104576       | 27%      | 72.4%          | 63.8%            |
| SAU801616     | STM100595       | 27%      | 72.4%          | 63.8%            |
| SAU801616     | SAU801616       | 100%     | 100%           | 100%             |
| SAU801616     | SEP201160       | 86%      | 99.2%          | 85.9%            |
| SAU801616     | SHA101192       | 83%      | 99.2%          | 85.9%            |
| SAU801616     | SMU101205       | 52%      | 99.2%          | 87.8%            |
| SAU801616     | SPN400176       | 52%      | 97.6%          | 86.3%            |
| SAU801616     | SPY201613       | 48%      | 97.6%          | 86.3%            |
| SAU801616     | UUR100372       | 34%      | 100%           | 87.8%            |
| SAU801616     | VCH100461       | 22%      | 77.2%          | 67.9%            |
| SAU801616     | YPS000228       | 29%      | 75.6%          | 65.7%            |
| SAU801617     | BAN109872       | 57%      | 100%           | 98.9%            |
| SAU801617     | BAN111284       | 57%      | 100%           | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801617     | CAC103316       | 46%      | 89.5%          | 89.5%            |
| SAU801617     | CBO101837       | 48%      | 89.5%          | 92.8%            |
| SAU801617     | CDF100893       | 43%      | 96.5%          | 97.6%            |
| SAU801617     | EFA200713       | 58%      | 89.5%          | 86.5%            |
| SAU801617     | EFM200709       | 55%      | 89.5%          | 87.5%            |
| SAU801617     | LMO101635       | 54%      | 95.3%          | 92.2%            |
| SAU801617     | SAU801617       | 100%     | 100%           | 100%             |
| SAU801617     | SEP201163       | 87%      | 96.5%          | 96.5%            |
| SAU801617     | SHA101191       | 83%      | 100%           | 100%             |
| SAU801617     | SMU101208       | 56%      | 90.7%          | 87.6%            |
| SAU801617     | SPN400175       | 53%      | 93.0%          | 90.9%            |
| SAU801617     | SPY201614       | 56%      | 90.7%          | 87.6%            |
| SAU801618     | ABA102548       | 51%      | 8.7%           | 92.7%            |
| SAU801618     | ABA101894       | 43%      | 99.4%          | 99.2%            |
| SAU801618     | BAN112993       | 42%      | 12.2%          | 96.4%            |
| SAU801618     | BAN112360       | 57%      | 73.3%          | 100%             |
| SAU801618     | BAN110893       | 59%      | 100%           | 99.8%            |
| SAU801618     | BFR11415        | 40%      | 98.5%          | 98.9%            |
| SAU801618     | BPT101143       | 44%      | 99.3%          | 99.5%            |
| SAU801618     | BBU100219       | 38%      | 79.1%          | 98.8%            |
| SAU801618     | BCE107013       | 46%      | 47.8%          | 94.4%            |
| SAU801618     | BFU114595       | 42%      | 99.5%          | 99.8%            |
| SAU801618     | BMA107024       | 43%      | 99.4%          | 99.7%            |
| SAU801618     | CJU100469       | 42%      | 98.1%          | 98.6%            |
| SAU801618     | CPN200957       | 36%      | 96.9%          | 97.0%            |
| SAU801618     | CTR200124       | 36%      | 99.1%          | 99.2%            |
| SAU801618     | CAC100475       | 43%      | 100%           | 99.8%            |
| SAU801618     | CBO102316       | 44%      | 100%           | 99.8%            |
| SAU801618     | CDF100894       | 45%      | 99.8%          | 99.5%            |
| SAU801618     | CDP100382       | 38%      | 99.0%          | 99.4%            |
| SAU801618     | EBC101519       | 44%      | 98.4%          | 100%             |
| SAU801618     | EFA202378       | 55%      | 99.9%          | 99.9%            |
| SAU801618     | EFM102001       | 56%      | 14.2%          | 100%             |
| SAU801618     | ECO102637       | 45%      | 99.0%          | 98.9%            |
| SAU801618     | HIN100794       | 44%      | 99.3%          | 99.5%            |
| SAU801618     | HPY101224       | 39%      | 98.6%          | 98.9%            |
| SAU801618     | KPN301584       | 45%      | 99.0%          | 99.0%            |
| SAU801618     | LPN103164       | 42%      | 99.7%          | 100%             |
| SAU801618     | LMO101358       | 56%      | 99.8%          | 99.5%            |
| SAU801618     | MCA100516       | 45%      | 99.7%          | 99.4%            |
| SAU801618     | MAV102135       | 38%      | 97.7%          | 99.2%            |
| SAU801618     | MBV100967       | 38%      | 99.3%          | 99.2%            |
| SAU801618     | MLP100309       | 38%      | 99.3%          | 99.6%            |
| SAU801618     | MTU202518       | 38%      | 99.3%          | 99.2%            |
| SAU801618     | MGE100298       | 36%      | 89.6%          | 87.3%            |
| SAU801618     | MPN100422       | 34%      | 94.4%          | 92.6%            |
| SAU801618     | NGO101407       | 42%      | 99.3%          | 99.4%            |
| SAU801618     | NME201646       | 43%      | 99.3%          | 99.4%            |
| SAU801618     | PMU101287       | 44%      | 99.1%          | 99.2%            |
| SAU801618     | PRT101312       | 42%      | 99.2%          | 99.2%            |
| SAU801618     | PAE200902       | 45%      | 99.4%          | 99.7%            |
| SAU801618     | PPU106922       | 45%      | 98.6%          | 98.9%            |
| SAU801618     | PSY103114       | 44%      | 94.3%          | 99.2%            |
| SAU801618     | SPA101276       | 44%      | 99.0%          | 99.4%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801618     | STY102766       | 44%      | 99.0%          | 98.9%            |
| SAU801618     | SAU801618       | 100%     | 100%           | 100%             |
| SAU801618     | SEP201165       | 83%      | 100%           | 100%             |
| SAU801618     | SHA101190       | 83%      | 100%           | 99.7%            |
| SAU801618     | SMU100824       | 49%      | 99.4%          | 99.8%            |
| SAU801618     | SPN401239       | 50%      | 99.2%          | 99.5%            |
| SAU801618     | SPY201063       | 50%      | 99.7%          | 100%             |
| SAU801618     | TPA101007       | 38%      | 79.9%          | 98.7%            |
| SAU801618     | UUR100371       | 36%      | 99.9%          | 99.9%            |
| SAU801618     | VCH100535       | 43%      | 99.3%          | 99.3%            |
| SAU801618     | YPS003498       | 45%      | 99.0%          | 99.0%            |
| SAU801619     | ABA105938       | 24%      | 55.9%          | 85.9%            |
| SAU801619     | BAN100190       | 32%      | 87.2%          | 91.9%            |
| SAU801619     | BAN101468       | 48%      | 89.1%          | 94.5%            |
| SAU801619     | BFR100242       | 22%      | 46.4%          | 93.4%            |
| SAU801619     | BBU100631       | 27%      | 53.6%          | 72.1%            |
| SAU801619     | BCE106437       | 25%      | 30.2%          | 26.6%            |
| SAU801619     | BFU102756       | 29%      | 46.9%          | 70.7%            |
| SAU801619     | BMA100166       | 32%      | 18.3%          | 51.2%            |
| SAU801619     | CPN200638       | 31%      | 89.1%          | 98.1%            |
| SAU801619     | CTR200297       | 33%      | 79.3%          | 85.6%            |
| SAU801619     | CAC103106       | 35%      | 90.2%          | 99.6%            |
| SAU801619     | CBO101836       | 35%      | 86.8%          | 95.4%            |
| SAU801619     | CDF101471       | 34%      | 87.5%          | 96.3%            |
| SAU801619     | EBC102604       | 23%      | 55.2%          | 82.2%            |
| SAU801619     | EFA200908       | 41%      | 98.7%          | 98.7%            |
| SAU801619     | EFM101108       | 42%      | 98.2%          | 98.3%            |
| SAU801619     | ECO102756       | 22%      | 55.8%          | 82.7%            |
| SAU801619     | HIN101288       | 24%      | 47.2%          | 69.8%            |
| SAU801619     | HPY200724       | 26%      | 13.1%          | 20.9%            |
| SAU801619     | KPN305146       | 23%      | 52.1%          | 77.7%            |
| SAU801619     | LPN102124       | 22%      | 47.4%          | 45.5%            |
| SAU801619     | LPN101988       | 22%      | 47.4%          | 45.5%            |
| SAU801619     | LMO102542       | 46%      | 98.4%          | 97.5%            |
| SAU801619     | MCA101482       | 25%      | 53.3%          | 68.8%            |
| SAU801619     | MAV103656       | 27%      | 46.4%          | 69.5%            |
| SAU801619     | MBV100278       | 26%      | 45.9%          | 68.5%            |
| SAU801619     | MTU200626       | 26%      | 45.9%          | 68.5%            |
| SAU801619     | NGO100235       | 26%      | 49.7%          | 76.7%            |
| SAU801619     | NME201279       | 26%      | 49.5%          | 77.8%            |
| SAU801619     | PMU100517       | 23%      | 52.5%          | 75.8%            |
| SAU801619     | PRT102296       | 23%      | 61.2%          | 84.5%            |
| SAU801619     | PAE204281       | 36%      | 45.1%          | 63.5%            |
| SAU801619     | PPU101090       | 33%      | 46.2%          | 66.9%            |
| SAU801619     | PSY102739       | 33%      | 45.1%          | 65.9%            |
| SAU801619     | SPA100178       | 22%      | 25.8%          | 97.4%            |
| SAU801619     | STY103973       | 22%      | 55.2%          | 81.5%            |
| SAU801619     | SAU801619       | 100%     | 100%           | 100%             |
| SAU801619     | SEP201166       | 80%      | 100%           | 100%             |
| SAU801619     | SHA101579       | 76%      | 45.0%          | 98.7%            |
| SAU801619     | SMU101281       | 39%      | 97.3%          | 98.1%            |
| SAU801619     | SPN400363       | 40%      | 91.6%          | 95.4%            |
| SAU801619     | SPY201419       | 39%      | 97.3%          | 97.9%            |
| SAU801619     | VCH102285       | 25%      | 47.6%          | 65.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801619     | YPS001085       | 34%      | 45.7%          | 68.9%            |
| SAU801621     | ABA105138       | 55%      | 94.6%          | 96.3%            |
| SAU801621     | BAN108754       | 63%      | 98.7%          | 100%             |
| SAU801621     | BAN107731       | 73%      | 98.1%          | 97.6%            |
| SAU801621     | BFR101806       | 39%      | 93.3%          | 98.0%            |
| SAU801621     | BPT102222       | 50%      | 94.6%          | 97.3%            |
| SAU801621     | BBU100681       | 37%      | 94.9%          | 98.6%            |
| SAU801621     | BCE109535       | 54%      | 94.9%          | 93.1%            |
| SAU801621     | BFU101559       | 55%      | 94.9%          | 93.4%            |
| SAU801621     | BMA105040       | 56%      | 94.9%          | 93.2%            |
| SAU801621     | CJU100046       | 33%      | 95.2%          | 100%             |
| SAU801621     | CPN200310       | 48%      | 94.6%          | 96.7%            |
| SAU801621     | CTR200552       | 52%      | 94.4%          | 92.8%            |
| SAU801621     | CAC103620       | 43%      | 94.6%          | 98.9%            |
| SAU801621     | CBO100620       | 42%      | 95.2%          | 98.3%            |
| SAU801621     | CBO101941       | 44%      | 94.9%          | 98.1%            |
| SAU801621     | CDF100895       | 42%      | 94.9%          | 97.8%            |
| SAU801621     | CDP100137       | 34%      | 94.9%          | 98.4%            |
| SAU801621     | EBC102862       | 54%      | 96.0%          | 97.0%            |
| SAU801621     | EFA201802       | 69%      | 99.2%          | 99.2%            |
| SAU801621     | EFM201233       | 72%      | 99.2%          | 99.2%            |
| SAU801621     | ECO101106       | 55%      | 96.5%          | 94.3%            |
| SAU801621     | HIN100165       | 54%      | 95.7%          | 85.6%            |
| SAU801621     | HPY101317       | 35%      | 94.9%          | 94.7%            |
| SAU801621     | KPN301143       | 55%      | 96.5%          | 93.0%            |
| SAU801621     | LPN102566       | 54%      | 96.0%          | 99.2%            |
| SAU801621     | LMO100858       | 77%      | 99.5%          | 98.9%            |
| SAU801621     | MCA100336       | 55%      | 95.7%          | 93.9%            |
| SAU801621     | MAV103827       | 35%      | 94.9%          | 98.6%            |
| SAU801621     | MBV105909       | 35%      | 94.9%          | 96.2%            |
| SAU801621     | MLP101048       | 35%      | 94.9%          | 98.6%            |
| SAU801621     | MTU202984       | 35%      | 94.9%          | 96.2%            |
| SAU801621     | MGE100301       | 37%      | 94.4%          | 98.1%            |
| SAU801621     | MPN100419       | 37%      | 96.2%          | 98.6%            |
| SAU801621     | NGO101275       | 51%      | 95.7%          | 91.9%            |
| SAU801621     | NME201603       | 52%      | 95.7%          | 91.9%            |
| SAU801621     | PMU101336       | 56%      | 97.0%          | 94.8%            |
| SAU801621     | PRT100592       | 56%      | 96.0%          | 97.8%            |
| SAU801621     | PAE202624       | 58%      | 94.9%          | 94.1%            |
| SAU801621     | PPU110350       | 57%      | 94.9%          | 94.4%            |
| SAU801621     | PSY104084       | 56%      | 96.2%          | 95.5%            |
| SAU801621     | SPA104236       | 55%      | 96.5%          | 98.1%            |
| SAU801621     | STY102569       | 55%      | 96.5%          | 98.1%            |
| SAU801621     | SAU801621       | 100%     | 100%           | 100%             |
| SAU801621     | SEP201168       | 89%      | 100%           | 100%             |
| SAU801621     | SHA100752       | 89%      | 100%           | 100%             |
| SAU801621     | SMU101360       | 71%      | 97.6%          | 97.6%            |
| SAU801621     | SPN400122       | 72%      | 98.4%          | 93.6%            |
| SAU801621     | SPY201672       | 71%      | 97.3%          | 97.3%            |
| SAU801621     | UUR100405       | 47%      | 98.4%          | 97.4%            |
| SAU801621     | VCH101109       | 54%      | 96.5%          | 97.6%            |
| SAU801621     | YPS003264       | 54%      | 96.0%          | 96.8%            |
| SAU801624     | SAU801624       | 100%     | 100%           | 100%             |
| SAU801624     | SEP203376       | 72%      | 95.8%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801625     | BAN103970       | 45%      | 85%            | 77.3%            |
| SAU801625     | BAN109777       | 54%      | 53.3%          | 82.9%            |
| SAU801625     | BCE109299       | 38%      | 95%            | 47.2%            |
| SAU801625     | BFU108906       | 39%      | 88.3%          | 74.6%            |
| SAU801625     | CDP102360       | 38%      | 71.7%          | 94.2%            |
| SAU801625     | EBC104212       | 34%      | 86.7%          | 75.4%            |
| SAU801625     | EFA204368       | 39%      | 96.7%          | 61.0%            |
| SAU801625     | EFM202444       | 30%      | 83.3%          | 74.6%            |
| SAU801625     | ECO103939       | 47%      | 56.7%          | 49.3%            |
| SAU801625     | KPN304718       | 44%      | 56.7%          | 49.3%            |
| SAU801625     | LMO100321       | 32%      | 88.3%          | 90.2%            |
| SAU801625     | MAV107307       | 35%      | 83.3%          | 73.1%            |
| SAU801625     | MAV106390       | 37%      | 68.3%          | 54.4%            |
| SAU801625     | MAV109056       | 36%      | 78.3%          | 63.6%            |
| SAU801625     | PAE204734       | 28%      | 91.7%          | 90.8%            |
| SAU801625     | PPU109566       | 45%      | 66.7%          | 81.6%            |
| SAU801625     | PSY104361       | 34%      | 78.3%          | 74.6%            |
| SAU801625     | SPA103512       | 44%      | 56.7%          | 48.6%            |
| SAU801625     | STY101943       | 44%      | 56.7%          | 48.6%            |
| SAU801625     | STM102797       | 44%      | 56.7%          | 48.6%            |
| SAU801625     | SAU800840       | 79%      | 98.3%          | 92.2%            |
| SAU801625     | SAU801625       | 100%     | 100%           | 100%             |
| SAU801625     | SEP203695       | 71%      | 93.3%          | 88.9%            |
| SAU801625     | SPN401624       | 40%      | 98.3%          | 88.1%            |
| SAU801625     | SPN401384       | 44%      | 98.3%          | 92.2%            |
| SAU801625     | SPY201542       | 38%      | 95%            | 86.4%            |
| SAU801625     | SPY200970       | 46%      | 85%            | 81.8%            |
| SAU801626     | ABA104591       | 43%      | 57.1%          | 51.0%            |
| SAU801626     | BAN106612       | 60%      | 100%           | 100%             |
| SAU801626     | BAN110626       | 64%      | 100%           | 100%             |
| SAU801626     | BPT100530       | 33%      | 89.3%          | 80%              |
| SAU801626     | BCE101233       | 31%      | 89.3%          | 75.4%            |
| SAU801626     | BFU111916       | 34%      | 89.3%          | 76.7%            |
| SAU801626     | BMA105369       | 31%      | 89.3%          | 75.4%            |
| SAU801626     | CJU100815       | 24%      | 86.4%          | 93.4%            |
| SAU801626     | CAC101137       | 39%      | 89.3%          | 94.2%            |
| SAU801626     | CBO101126       | 40%      | 89.3%          | 89.2%            |
| SAU801626     | CDF100898       | 44%      | 86.4%          | 86.5%            |
| SAU801626     | EBC103621       | 31%      | 64.3%          | 63.1%            |
| SAU801626     | ECO102482       | 33%      | 95.7%          | 84.6%            |
| SAU801626     | HIN100358       | 48%      | 57.1%          | 53.3%            |
| SAU801626     | KPN306316       | 32%      | 95.7%          | 84.0%            |
| SAU801626     | LPN100480       | 30%      | 95.7%          | 91.5%            |
| SAU801626     | LMO102363       | 64%      | 100%           | 100%             |
| SAU801626     | MCA100831       | 33%      | 95.7%          | 84.5%            |
| SAU801626     | MAV100728       | 30%      | 87.1%          | 81.1%            |
| SAU801626     | MBV105554       | 30%      | 88.6%          | 81.4%            |
| SAU801626     | MTU201270       | 30%      | 88.6%          | 81.4%            |
| SAU801626     | NGO101056       | 35%      | 89.3%          | 88.5%            |
| SAU801626     | NME201452       | 35%      | 89.3%          | 88.5%            |
| SAU801626     | PMU100317       | 35%      | 89.3%          | 85.1%            |
| SAU801626     | PRT105219       | 30%      | 95.7%          | 84.1%            |
| SAU801626     | PAE203812       | 45%      | 57.1%          | 49.1%            |
| SAU801626     | PPU104025       | 31%      | 93.6%          | 75.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801626     | SY108566        | 42%      | 57.1%          | 49.1%            |
| SAU801626     | SA100194        | 33%      | 95.7%          | 84.0%            |
| SAU801626     | STY105174       | 33%      | 95.7%          | 83.5%            |
| SAU801626     | STM103542       | 31%      | 83.6%          | 85.8%            |
| SAU801626     | SAU801626       | 100%     | 100%           | 100%             |
| SAU801626     | SEP201571       | 91%      | 100%           | 100%             |
| SAU801626     | SIA102530       | 88%      | 90%            | 100%             |
| SAU801626     | VCH100734       | 34%      | 85.7%          | 67.0%            |
| SAU801626     | YPS003291       | 32%      | 95.7%          | 85.4%            |
| SAU801630     | ABA101157       | 52%      | 99.3%          | 98.5%            |
| SAU801630     | BAN109213       | 47%      | 99.7%          | 100%             |
| SAU801630     | BAN103380       | 66%      | 99.7%          | 99.0%            |
| SAU801630     | BR10266         | 52%      | 77.7%          | 98.7%            |
| SAU801630     | BFT101790       | 51%      | 99.5%          | 99.2%            |
| SAU801630     | BBU100445       | 48%      | 85.2%          | 98.8%            |
| SAU801630     | BCE104313       | 40%      | 16.3%          | 76.6%            |
| SAU801630     | BCE111669       | 52%      | 99.8%          | 98.8%            |
| SAU801630     | BFU111015       | 53%      | 99.8%          | 99.0%            |
| SAU801630     | BMA100432       | 52%      | 99.8%          | 98.8%            |
| SAU801630     | OU100601        | 51%      | 97.3%          | 97.1%            |
| SAU801630     | OPN200083       | 46%      | 99.7%          | 99.7%            |
| SAU801630     | CTR200818       | 44%      | 99.7%          | 100%             |
| SAU801630     | CAC102618       | 55%      | 99.3%          | 97.6%            |
| SAU801630     | CBO100008       | 54%      | 99.1%          | 97.6%            |
| SAU801630     | ODF100502       | 52%      | 99.3%          | 97.8%            |
| SAU801630     | ODP100396       | 46%      | 98.3%          | 97.0%            |
| SAU801630     | BBC102309       | 54%      | 99.1%          | 98.6%            |
| SAU801630     | BEA202213       | 63%      | 99.7%          | 99.2%            |
| SAU801630     | BEM202626       | 62%      | 99.7%          | 99.2%            |
| SAU801630     | BCO101834       | 54%      | 99.1%          | 98.6%            |
| SAU801630     | BIN100302       | 51%      | 99.1%          | 99.0%            |
| SAU801630     | BFY100610       | 50%      | 99.3%          | 99.7%            |
| SAU801630     | KPN301306       | 59%      | 52.6%          | 96.8%            |
| SAU801630     | LIN101576       | 53%      | 99.1%          | 98.7%            |
| SAU801630     | LMO101015       | 64%      | 99.3%          | 98.6%            |
| SAU801630     | MCA100604       | 50%      | 99.3%          | 98.8%            |
| SAU801630     | MAV103031       | 45%      | 87.6%          | 99.6%            |
| SAU801630     | MBV101554       | 45%      | 98.3%          | 94.8%            |
| SAU801630     | MLP100306       | 44%      | 98.3%          | 97.8%            |
| SAU801630     | MTU202535       | 45%      | 98.3%          | 97.1%            |
| SAU801630     | MGE100036       | 35%      | 97.3%          | 96.9%            |
| SAU801630     | MPN100108       | 36%      | 98.1%          | 96.6%            |
| SAU801630     | NGO101633       | 52%      | 99.1%          | 99.3%            |
| SAU801630     | NME201865       | 52%      | 99.3%          | 98.3%            |
| SAU801630     | PMU100983       | 51%      | 99.1%          | 99.0%            |
| SAU801630     | PKT100115       | 53%      | 99.1%          | 100%             |
| SAU801630     | PAE200962       | 53%      | 99.3%          | 98.6%            |
| SAU801630     | PFU112195       | 52%      | 99.3%          | 98.6%            |
| SAU801630     | PSY106866       | 53%      | 90.1%          | 97.6%            |
| SAU801630     | SPA102449       | 52%      | 65.1%          | 98.0%            |
| SAU801630     | STY102265       | 54%      | 99.1%          | 98.6%            |
| SAU801630     | SAU801630       | 100%     | 100%           | 100%             |
| SAU801630     | SEP201575       | 88%      | 100%           | 100%             |
| SAU801630     | SIA100663       | 89%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801630     | SMU101272       | 57%      | 99.3%          | 98.0%            |
| SAU801630     | SPN401921       | 57%      | 99.3%          | 98.3%            |
| SAU801630     | SPY201648       | 56%      | 99.3%          | 99.1%            |
| SAU801630     | TPA100975       | 44%      | 99.3%          | 96.8%            |
| SAU801630     | UUR100288       | 42%      | 99.0%          | 99.3%            |
| SAU801630     | VCH101147       | 52%      | 99.3%          | 98.6%            |
| SAU801630     | YPS003419       | 52%      | 99.1%          | 97.3%            |
| SAU801631     | ABA101469       | 49%      | 15%            | 78.8%            |
| SAU801631     | ABA100694       | 40%      | 98.1%          | 96.7%            |
| SAU801631     | BAN108710       | 37%      | 96.4%          | 97.9%            |
| SAU801631     | BAN104310       | 58%      | 99.0%          | 89.8%            |
| SAU801631     | BFR11762        | 23%      | 98.1%          | 97.6%            |
| SAU801631     | BPT100013       | 40%      | 94.3%          | 90.1%            |
| SAU801631     | BBU100134       | 23%      | 99.5%          | 97.2%            |
| SAU801631     | BCE114784       | 40%      | 98.1%          | 93.7%            |
| SAU801631     | BFU113972       | 40%      | 93.8%          | 88.1%            |
| SAU801631     | BMA106479       | 40%      | 98.1%          | 93.7%            |
| SAU801631     | CJU100704       | 36%      | 98.6%          | 99.0%            |
| SAU801631     | CPN200082       | 38%      | 98.8%          | 98.1%            |
| SAU801631     | CTR200819       | 39%      | 96.0%          | 94.6%            |
| SAU801631     | CAC100205       | 26%      | 97.1%          | 97.4%            |
| SAU801631     | CBO102641       | 47%      | 99.5%          | 99.5%            |
| SAU801631     | CDF100504       | 50%      | 100%           | 99.3%            |
| SAU801631     | CDP100409       | 44%      | 98.6%          | 96.5%            |
| SAU801631     | EBC102800       | 38%      | 99.5%          | 98.1%            |
| SAU801631     | EFA202211       | 49%      | 98.6%          | 95.6%            |
| SAU801631     | EFM201250       | 47%      | 98.6%          | 96.3%            |
| SAU801631     | ECO102465       | 38%      | 99.5%          | 98.1%            |
| SAU801631     | HIN100348       | 40%      | 99.5%          | 98.3%            |
| SAU801631     | HPY101173       | 27%      | 95.7%          | 94.1%            |
| SAU801631     | KPN309062       | 39%      | 99.5%          | 98.1%            |
| SAU801631     | LPN101194       | 38%      | 97.6%          | 95.5%            |
| SAU801631     | LMO101789       | 54%      | 98.8%          | 97.4%            |
| SAU801631     | MCA101520       | 42%      | 96.9%          | 97.2%            |
| SAU801631     | MAV103034       | 44%      | 97.9%          | 96.4%            |
| SAU801631     | MBV101555       | 44%      | 97.9%          | 95.7%            |
| SAU801631     | MLP100305       | 41%      | 97.9%          | 94.8%            |
| SAU801631     | MTU202543       | 44%      | 97.9%          | 95.7%            |
| SAU801631     | MGE100035       | 32%      | 95%            | 94.4%            |
| SAU801631     | MPN100109       | 34%      | 98.1%          | 97.6%            |
| SAU801631     | NGO101009       | 43%      | 95.2%          | 93.5%            |
| SAU801631     | NME200980       | 43%      | 95.2%          | 93.5%            |
| SAU801631     | PMU102011       | 41%      | 99.5%          | 98.3%            |
| SAU801631     | PRT104870       | 38%      | 98.8%          | 97.4%            |
| SAU801631     | PAE203799       | 43%      | 98.1%          | 96.3%            |
| SAU801631     | PPU103989       | 43%      | 98.6%          | 96.7%            |
| SAU801631     | PSY103800       | 42%      | 98.1%          | 96.3%            |
| SAU801631     | SPA101921       | 43%      | 70.7%          | 98.0%            |
| SAU801631     | STY101721       | 38%      | 99.5%          | 98.1%            |
| SAU801631     | SAU801631       | 100%     | 100%           | 100%             |
| SAU801631     | SEP201577       | 84%      | 99.8%          | 98.8%            |
| SAU801631     | SHA100662       | 85%      | 100%           | 99.3%            |
| SAU801631     | SMU101274       | 45%      | 97.6%          | 95.1%            |
| SAU801631     | SPN401928       | 48%      | 99.0%          | 96.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801631     | SPY201649       | 46%      | 98.6%          | 96.7%            |
| SAU801631     | TPA100633       | 24%      | 76.2%          | 75.1%            |
| SAU801631     | UUR100287       | 37%      | 97.6%          | 97.6%            |
| SAU801631     | VCH100747       | 40%      | 97.1%          | 96.0%            |
| SAU801631     | YPS003230       | 40%      | 97.1%          | 95.8%            |
| SAU801632     | BAN100228       | 29%      | 55.3%          | 47.5%            |
| SAU801632     | BAN110524       | 28%      | 62.2%          | 49.5%            |
| SAU801632     | BAN102171       | 29%      | 62.5%          | 49.0%            |
| SAU801632     | BAN111103       | 29%      | 61.9%          | 38.1%            |
| SAU801632     | BAN102482       | 29%      | 61.9%          | 37.8%            |
| SAU801632     | BAN101459       | 33%      | 60.1%          | 75.2%            |
| SAU801632     | BFR103557       | 24%      | 55.0%          | 51.9%            |
| SAU801632     | BPT102223       | 27%      | 58.8%          | 48.2%            |
| SAU801632     | BBU100665       | 27%      | 54.6%          | 61.7%            |
| SAU801632     | BCE110660       | 27%      | 57.0%          | 47.8%            |
| SAU801632     | BFU102333       | 27%      | 60.8%          | 45.0%            |
| SAU801632     | BMA100078       | 28%      | 58.8%          | 43.2%            |
| SAU801632     | CJU101194       | 26%      | 72.2%          | 38.4%            |
| SAU801632     | CPN200332       | 32%      | 59.5%          | 70.5%            |
| SAU801632     | CTR200532       | 34%      | 58.8%          | 67.9%            |
| SAU801632     | CAC100830       | 33%      | 58.8%          | 83.1%            |
| SAU801632     | CBO103642       | 28%      | 58.8%          | 100%             |
| SAU801632     | CBO102707       | 34%      | 57.0%          | 18.3%            |
| SAU801632     | CDF100779       | 34%      | 61.9%          | 79.7%            |
| SAU801632     | CDP101644       | 26%      | 58.4%          | 45.5%            |
| SAU801632     | EBC100856       | 28%      | 58.1%          | 74.5%            |
| SAU801632     | EFM202599       | 36%      | 64.9%          | 66.0%            |
| SAU801632     | ECO102754       | 30%      | 58.1%          | 49.0%            |
| SAU801632     | HIN100065       | 29%      | 58.4%          | 52.1%            |
| SAU801632     | HPY100759       | 26%      | 58.8%          | 50.2%            |
| SAU801632     | KPN305150       | 28%      | 58.1%          | 52.5%            |
| SAU801632     | LPN100769       | 29%      | 60.5%          | 48.2%            |
| SAU801632     | LMO100827       | 38%      | 32.6%          | 13.6%            |
| SAU801632     | MAV106636       | 24%      | 58.4%          | 45.1%            |
| SAU801632     | MBV103480       | 24%      | 58.4%          | 45.1%            |
| SAU801632     | MLP101597       | 24%      | 58.4%          | 45.1%            |
| SAU801632     | MTU203860       | 24%      | 58.4%          | 45.1%            |
| SAU801632     | NGO101686       | 29%      | 62.9%          | 56.7%            |
| SAU801632     | NME201874       | 27%      | 62.9%          | 57.5%            |
| SAU801632     | PMU100903       | 27%      | 57.7%          | 54.5%            |
| SAU801632     | PRT102294       | 26%      | 58.1%          | 52.8%            |
| SAU801632     | PAE204942       | 27%      | 59.8%          | 48.8%            |
| SAU801632     | PPU106701       | 29%      | 57.7%          | 46.6%            |
| SAU801632     | PSY101064       | 30%      | 57.7%          | 54.3%            |
| SAU801632     | SPA104044       | 28%      | 61.2%          | 52.9%            |
| SAU801632     | STY103967       | 29%      | 58.1%          | 52.5%            |
| SAU801632     | STM101271       | 27%      | 61.2%          | 78.9%            |
| SAU801632     | SAU801632       | 100%     | 100%           | 100%             |
| SAU801632     | SEP201579       | 71%      | 100%           | 100%             |
| SAU801632     | SHA100124       | 68%      | 84.9%          | 100%             |
| SAU801632     | TPA100244       | 25%      | 56.4%          | 59.7%            |
| SAU801632     | VCH100339       | 25%      | 62.5%          | 41.3%            |
| SAU801632     | YPS001087       | 28%      | 58.1%          | 52.6%            |
| SAU801636     | ABA101961       | 31%      | 73.1%          | 98.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801636     | BAN104770       | 29%      | 99.6%          | 98.9%            |
| SAU801636     | BAN102480       | 40%      | 99.6%          | 98.6%            |
| SAU801636     | BFR100673       | 32%      | 65.5%          | 99.2%            |
| SAU801636     | BPT101805       | 31%      | 70.0%          | 93.6%            |
| SAU801636     | BBU100253       | 32%      | 73.3%          | 99.2%            |
| SAU801636     | BFU108641       | 31%      | 72.5%          | 99.1%            |
| SAU801636     | BMA106924       | 31%      | 70.3%          | 96.3%            |
| SAU801636     | CJU100028       | 34%      | 69.6%          | 98.3%            |
| SAU801636     | CPN200184       | 27%      | 71.6%          | 94.7%            |
| SAU801636     | CTR200722       | 28%      | 72.7%          | 97.1%            |
| SAU801636     | CAC102562       | 33%      | 69.9%          | 95.9%            |
| SAU801636     | CBO101432       | 35%      | 73.2%          | 98.8%            |
| SAU801636     | CDF100497       | 38%      | 73.1%          | 68.6%            |
| SAU801636     | EBC102952       | 38%      | 47.8%          | 84.8%            |
| SAU801636     | EFA201172       | 38%      | 99.3%          | 99.2%            |
| SAU801636     | EFM100083       | 43%      | 38.3%          | 99.7%            |
| SAU801636     | ECO102828       | 32%      | 70.3%          | 96.0%            |
| SAU801636     | HIN101186       | 34%      | 65.7%          | 90.8%            |
| SAU801636     | HPY100344       | 30%      | 65.3%          | 94.0%            |
| SAU801636     | KPN303321       | 32%      | 70.5%          | 96.4%            |
| SAU801636     | LPN103347       | 31%      | 71.9%          | 98.1%            |
| SAU801636     | LMO102252       | 37%      | 99.9%          | 98.1%            |
| SAU801636     | MCA101569       | 29%      | 72.8%          | 96.3%            |
| SAU801636     | NGO100971       | 32%      | 65.1%          | 89.4%            |
| SAU801636     | NME200968       | 33%      | 65.1%          | 89.4%            |
| SAU801636     | PMU100192       | 31%      | 65.7%          | 90.8%            |
| SAU801636     | PRT103507       | 30%      | 70.1%          | 95.8%            |
| SAU801636     | PAE203722       | 32%      | 65.8%          | 91.2%            |
| SAU801636     | PPU107844       | 32%      | 65.3%          | 90.5%            |
| SAU801636     | PSY104923       | 32%      | 65.8%          | 91.2%            |
| SAU801636     | SPA102978       | 30%      | 70.1%          | 95.8%            |
| SAU801636     | STY104138       | 32%      | 70.1%          | 95.8%            |
| SAU801636     | SAU801636       | 100%     | 100%           | 100%             |
| SAU801636     | SEP201590       | 66%      | 100%           | 100%             |
| SAU801636     | SHA101075       | 68%      | 99.7%          | 99.7%            |
| SAU801636     | SMU100405       | 39%      | 98.3%          | 97.5%            |
| SAU801636     | SPN400537       | 38%      | 99.3%          | 98.9%            |
| SAU801636     | SPY200696       | 37%      | 96.2%          | 95.9%            |
| SAU801636     | TPA100696       | 27%      | 0.5%           | 20.1%            |
| SAU801636     | VCH102382       | 30%      | 70.1%          | 95.5%            |
| SAU801636     | YPS000162       | 29%      | 71.3%          | 97.4%            |
| SAU801643     | CAC103297       | 30%      | 94.1%          | 91.6%            |
| SAU801643     | CBO102699       | 28%      | 93.4%          | 94%              |
| SAU801643     | SAU801643       | 100%     | 100%           | 100%             |
| SAU801643     | SEP201603       | 74%      | 99.3%          | 100%             |
| SAU801643     | SHA100641       | 82%      | 99.3%          | 100%             |
| SAU801644     | ABA102020       | 45%      | 79.3%          | 84.2%            |
| SAU801644     | BAN108425       | 53%      | 99.8%          | 100%             |
| SAU801644     | BAN110337       | 64%      | 100%           | 100%             |
| SAU801644     | BFR10585        | 42%      | 80.5%          | 94.5%            |
| SAU801644     | BPT102468       | 45%      | 79.1%          | 91.8%            |
| SAU801644     | BBU100780       | 39%      | 74.4%          | 96.0%            |
| SAU801644     | BCE109750       | 47%      | 79.3%          | 93.2%            |
| SAU801644     | BFU106483       | 44%      | 85.3%          | 98.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801644     | BMA107520       | 47%      | 77.2%          | 90.3%            |
| SAU801644     | CJU100085       | 41%      | 77.4%          | 98%              |
| SAU801644     | CPN200205       | 42%      | 76.3%          | 97.1%            |
| SAU801644     | CTR200689       | 45%      | 76.7%          | 100%             |
| SAU801644     | CAC103735       | 49%      | 100%           | 100%             |
| SAU801644     | CBO102816       | 48%      | 99.8%          | 99.8%            |
| SAU801644     | CDF101736       | 51%      | 99.5%          | 98.8%            |
| SAU801644     | CDP101218       | 43%      | 99.3%          | 86.0%            |
| SAU801644     | EBC102677       | 45%      | 75.1%          | 83.4%            |
| SAU801644     | EFA201920       | 61%      | 100%           | 99.5%            |
| SAU801644     | EFM201911       | 60%      | 88.8%          | 97.5%            |
| SAU801644     | ECO103113       | 47%      | 69.8%          | 77.7%            |
| SAU801644     | HIN100857       | 45%      | 75.6%          | 84.1%            |
| SAU801644     | HPY100299       | 48%      | 68.1%          | 80.6%            |
| SAU801644     | KPN300686       | 43%      | 79.3%          | 87.2%            |
| SAU801644     | LPN101316       | 48%      | 64.9%          | 99.3%            |
| SAU801644     | LMO102191       | 65%      | 100%           | 100%             |
| SAU801644     | MCA101313       | 46%      | 77.2%          | 82.9%            |
| SAU801644     | MAV104121       | 43%      | 97.7%          | 86.6%            |
| SAU801644     | MBV104432       | 43%      | 99.3%          | 88.6%            |
| SAU801644     | MLP100902       | 42%      | 99.3%          | 90.2%            |
| SAU801644     | MTU202404       | 43%      | 99.3%          | 89.6%            |
| SAU801644     | MGE100395       | 37%      | 98.4%          | 98.2%            |
| SAU801644     | MPN100279       | 38%      | 98.4%          | 98.2%            |
| SAU801644     | NGO100959       | 44%      | 83.0%          | 97.7%            |
| SAU801644     | NME200322       | 43%      | 83.0%          | 97.7%            |
| SAU801644     | PMU100351       | 44%      | 79.3%          | 88.7%            |
| SAU801644     | PRT100791       | 44%      | 79.8%          | 89.7%            |
| SAU801644     | PAE204564       | 47%      | 76.5%          | 82.0%            |
| SAU801644     | PPU110997       | 45%      | 79.1%          | 87.5%            |
| SAU801644     | PSY102705       | 46%      | 65.6%          | 78.9%            |
| SAU801644     | SPA100458       | 44%      | 75.1%          | 89.3%            |
| SAU801644     | STY101485       | 44%      | 75.1%          | 83.6%            |
| SAU801644     | SAU801644       | 100%     | 100%           | 100%             |
| SAU801644     | SEP201605       | 90%      | 100%           | 100%             |
| SAU801644     | SHA100640       | 88%      | 85.1%          | 100%             |
| SAU801644     | SMU100127       | 58%      | 100%           | 99.5%            |
| SAU801644     | SPN400984       | 59%      | 100%           | 99.5%            |
| SAU801644     | SPY201023       | 60%      | 100%           | 99.5%            |
| SAU801644     | TPA100734       | 40%      | 74.2%          | 84.0%            |
| SAU801644     | UUR100466       | 37%      | 99.8%          | 99.5%            |
| SAU801644     | VCH100432       | 39%      | 84.9%          | 96.2%            |
| SAU801644     | YPS002137       | 42%      | 86.3%          | 98.7%            |
| SAU801645     | ABA101804       | 61%      | 73.7%          | 85.9%            |
| SAU801645     | BAN111062       | 82%      | 94.9%          | 100%             |
| SAU801645     | BAN102544       | 84%      | 94.9%          | 97.9%            |
| SAU801645     | BFR10883        | 53%      | 80.8%          | 89.9%            |
| SAU801645     | BPT102470       | 59%      | 82.8%          | 96.5%            |
| SAU801645     | BBU100779       | 56%      | 80.8%          | 97.5%            |
| SAU801645     | BCE103036       | 55%      | 84.8%          | 96.6%            |
| SAU801645     | BFU106480       | 57%      | 78.8%          | 89.7%            |
| SAU801645     | BMA101618       | 55%      | 84.8%          | 96.6%            |
| SAU801645     | CJU100084       | 59%      | 81.8%          | 96.4%            |
| SAU801645     | CPN200204       | 58%      | 73.7%          | 86.9%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801645     | CTR200690       | 61%      | 80.8%          | 94.0%            |
| SAU801645     | CAC103330       | 67%      | 92.9%          | 92%              |
| SAU801645     | CBO102962       | 75%      | 92.9%          | 92%              |
| SAU801645     | CDF101911       | 68%      | 93.9%          | 96.9%            |
| SAU801645     | CDP101220       | 63%      | 80.8%          | 89.8%            |
| SAU801645     | EBC100461       | 60%      | 82.8%          | 97.6%            |
| SAU801645     | EFA202214       | 81%      | 93.9%          | 94.9%            |
| SAU801645     | EFM200824       | 80%      | 94.9%          | 96.9%            |
| SAU801645     | ECO103115       | 60%      | 82.8%          | 97.6%            |
| SAU801645     | HIN100859       | 58%      | 80.8%          | 94.1%            |
| SAU801645     | HPY100293       | 60%      | 80.8%          | 90.9%            |
| SAU801645     | KPN300596       | 59%      | 82.8%          | 97.6%            |
| SAU801645     | LPN100139       | 51%      | 80.8%          | 88.0%            |
| SAU801645     | LMO100798       | 85%      | 90.9%          | 93.8%            |
| SAU801645     | MCA101440       | 55%      | 82.8%          | 97.6%            |
| SAU801645     | MAV104122       | 57%      | 85.9%          | 95.5%            |
| SAU801645     | MBV104431       | 63%      | 80.8%          | 91.9%            |
| SAU801645     | MLP100903       | 61%      | 83.8%          | 93.2%            |
| SAU801645     | MTU202405       | 63%      | 80.8%          | 91.9%            |
| SAU801645     | MGE100239       | 63%      | 87.9%          | 83.7%            |
| SAU801645     | MPN100509       | 67%      | 89.9%          | 87.5%            |
| SAU801645     | NGO101635       | 58%      | 80.8%          | 90%              |
| SAU801645     | NME202000       | 56%      | 80.8%          | 90%              |
| SAU801645     | PMU100348       | 60%      | 82.8%          | 97.6%            |
| SAU801645     | PRT100790       | 59%      | 82.8%          | 97.6%            |
| SAU801645     | PAE204565       | 62%      | 82.8%          | 97.6%            |
| SAU801645     | PPU109793       | 56%      | 82.8%          | 97.6%            |
| SAU801645     | PSY102707       | 51%      | 85.9%          | 94.5%            |
| SAU801645     | SPA100460       | 60%      | 82.8%          | 97.6%            |
| SAU801645     | STY101487       | 60%      | 82.8%          | 97.6%            |
| SAU801645     | SAU801645       | 100%     | 100%           | 100%             |
| SAU801645     | SEP201610       | 92%      | 100%           | 100%             |
| SAU801645     | SHA100024       | 92%      | 100%           | 100%             |
| SAU801645     | SMU100757       | 82%      | 90.9%          | 92.8%            |
| SAU801645     | SPN401014       | 79%      | 89.9%          | 100%             |
| SAU801645     | SPY200612       | 80%      | 90.9%          | 92.8%            |
| SAU801645     | TPA100735       | 60%      | 80.8%          | 93.1%            |
| SAU801645     | UUR100211       | 65%      | 85.9%          | 85%              |
| SAU801645     | VCH100431       | 60%      | 80.8%          | 94.2%            |
| SAU801645     | YPS002142       | 60%      | 82.8%          | 97.6%            |
| SAU801646     | BAN108189       | 37%      | 92.0%          | 93.9%            |
| SAU801646     | BAN100435       | 37%      | 92.0%          | 93.9%            |
| SAU801646     | CBO101665       | 32%      | 83.9%          | 88.0%            |
| SAU801646     | CDF103326       | 30%      | 92.0%          | 97.1%            |
| SAU801646     | EFA202216       | 36%      | 82.1%          | 85.1%            |
| SAU801646     | EFM200511       | 35%      | 84.8%          | 87.7%            |
| SAU801646     | ECO101034       | 30%      | 41.1%          | 56.8%            |
| SAU801646     | LMO102819       | 33%      | 94.6%          | 100%             |
| SAU801646     | MGE100238       | 40%      | 40.2%          | 39.4%            |
| SAU801646     | MPN100510       | 48%      | 22.3%          | 25%              |
| SAU801646     | SAU801646       | 100%     | 100%           | 100%             |
| SAU801646     | SEP201611       | 89%      | 94.6%          | 100%             |
| SAU801646     | SHA100023       | 86%      | 94.6%          | 100%             |
| SAU801646     | SMU100756       | 32%      | 82.1%          | 86.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801646     | SPN401013       | 24%      | 83.0%          | 86.0%            |
| SAU801646     | SPY200611       | 28%      | 85.7%          | 90.7%            |
| SAU801646     | TPA100736       | 29%      | 92.0%          | 94.4%            |
| SAU801646     | UUR100212       | 29%      | 78.6%          | 80.4%            |
| SAU801647     | ABA105440       | 47%      | 99.0%          | 99.0%            |
| SAU801647     | BAN108298       | 72%      | 100%           | 100%             |
| SAU801647     | BAN107763       | 72%      | 100%           | 100%             |
| SAU801647     | BFR10884        | 46%      | 100%           | 86.8%            |
| SAU801647     | BPT104764       | 47%      | 100%           | 42.0%            |
| SAU801647     | BBU100777       | 37%      | 98.0%          | 98.1%            |
| SAU801647     | BCE111959       | 49%      | 100%           | 100%             |
| SAU801647     | BFU106477       | 50%      | 100%           | 83.1%            |
| SAU801647     | BMA107479       | 48%      | 100%           | 100%             |
| SAU801647     | CJU100083       | 36%      | 100%           | 100%             |
| SAU801647     | CPN200203       | 40%      | 97.1%          | 95.3%            |
| SAU801647     | CTR200691       | 41%      | 94.1%          | 92.5%            |
| SAU801647     | CAC100327       | 53%      | 100%           | 100%             |
| SAU801647     | CBO100385       | 54%      | 100%           | 78.2%            |
| SAU801647     | CDF101910       | 54%      | 100%           | 97.2%            |
| SAU801647     | CDP101222       | 38%      | 98.0%          | 99.0%            |
| SAU801647     | EBC100460       | 34%      | 31.4%          | 100%             |
| SAU801647     | EFA202217       | 62%      | 100%           | 96.2%            |
| SAU801647     | EFM200259       | 64%      | 100%           | 100%             |
| SAU801647     | ECO103116       | 41%      | 100%           | 100%             |
| SAU801647     | HIN100860       | 46%      | 100%           | 100%             |
| SAU801647     | HPY100292       | 40%      | 99.0%          | 98.1%            |
| SAU801647     | KPN300595       | 40%      | 87.3%          | 100%             |
| SAU801647     | LPN100481       | 43%      | 98.0%          | 98.1%            |
| SAU801647     | LMO101855       | 75%      | 100%           | 100%             |
| SAU801647     | MCA101422       | 43%      | 100%           | 100%             |
| SAU801647     | MAV102387       | 34%      | 97.1%          | 96.1%            |
| SAU801647     | MBV104430       | 34%      | 97.1%          | 95.2%            |
| SAU801647     | MLP100904       | 34%      | 97.1%          | 96.1%            |
| SAU801647     | MTU202406       | 34%      | 97.1%          | 95.2%            |
| SAU801647     | MGE100237       | 40%      | 95.1%          | 94%              |
| SAU801647     | MPN100511       | 42%      | 95.1%          | 94%              |
| SAU801647     | NGO101632       | 43%      | 95.1%          | 86.0%            |
| SAU801647     | NME201999       | 43%      | 95.1%          | 96.1%            |
| SAU801647     | PMU100347       | 46%      | 100%           | 100%             |
| SAU801647     | PRT100789       | 45%      | 98.0%          | 99.0%            |
| SAU801647     | PAE204566       | 49%      | 100%           | 100%             |
| SAU801647     | PPU108773       | 47%      | 99.0%          | 65.0%            |
| SAU801647     | PSY108282       | 49%      | 100%           | 64.8%            |
| SAU801647     | SPA100461       | 38%      | 69.6%          | 100%             |
| SAU801647     | STY101488       | 41%      | 100%           | 100%             |
| SAU801647     | SAU801647       | 100%     | 100%           | 100%             |
| SAU801647     | SEP201612       | 94%      | 100%           | 100%             |
| SAU801647     | SMU100215       | 60%      | 99.0%          | 97.1%            |
| SAU801647     | SPN401012       | 57%      | 99.0%          | 97.1%            |
| SAU801647     | SPY200610       | 60%      | 99.0%          | 97.1%            |
| SAU801647     | TPA100737       | 43%      | 98.0%          | 97.1%            |
| SAU801647     | UUR100213       | 51%      | 99.0%          | 98%              |
| SAU801647     | VCH100430       | 50%      | 100%           | 100%             |
| SAU801647     | YPS002148       | 42%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801648     | ABA104912       | 24%      | 52.8%          | 37.8%            |
| SAU801648     | BAN104044       | 23%      | 83.0%          | 88.6%            |
| SAU801648     | BAN108789       | 21%      | 95.5%          | 92.8%            |
| SAU801648     | CBO103951       | 21%      | 75%            | 76.5%            |
| SAU801648     | EBC106824       | 27%      | 37.5%          | 62.9%            |
| SAU801648     | EFA202030       | 25%      | 85.8%          | 91.1%            |
| SAU801648     | EFM200541       | 20%      | 85.8%          | 89.9%            |
| SAU801648     | LPN102451       | 25%      | 46.0%          | 24.5%            |
| SAU801648     | LMO101092       | 21%      | 81.2%          | 79.7%            |
| SAU801648     | MGE100319       | 22%      | 73.3%          | 42.9%            |
| SAU801648     | SPA102371       | 24%      | 68.2%          | 90.2%            |
| SAU801648     | STY102480       | 22%      | 72.2%          | 80.9%            |
| SAU801648     | STM102604       | 22%      | 72.2%          | 80.9%            |
| SAU801648     | SAU801648       | 100%     | 100%           | 100%             |
| SAU801648     | SEP201613       | 68%      | 97.7%          | 99.4%            |
| SAU801648     | SHA102804       | 50%      | 94.3%          | 98.2%            |
| SAU801648     | SMU101227       | 20%      | 88.1%          | 91.2%            |
| SAU801648     | SPN402019       | 23%      | 79.5%          | 89.0%            |
| SAU801648     | UUR100272       | 25%      | 91.5%          | 74.4%            |
| SAU801663     | ABA101795       | 41%      | 99.3%          | 98.5%            |
| SAU801663     | BAN107436       | 52%      | 99.3%          | 98.8%            |
| SAU801663     | BAN109623       | 68%      | 99.3%          | 98.8%            |
| SAU801663     | BFR103128       | 42%      | 99.9%          | 99.8%            |
| SAU801663     | BPT100020       | 38%      | 99.2%          | 97.9%            |
| SAU801663     | BBU100737       | 43%      | 99.3%          | 99.0%            |
| SAU801663     | BCE114033       | 40%      | 99.3%          | 99.1%            |
| SAU801663     | BFU109684       | 40%      | 99.1%          | 98.2%            |
| SAU801663     | BMA104351       | 39%      | 99.3%          | 99.1%            |
| SAU801663     | CJU100714       | 40%      | 99.2%          | 99.8%            |
| SAU801663     | CPN200668       | 36%      | 97.4%          | 97.4%            |
| SAU801663     | CTR200568       | 36%      | 99.1%          | 99.0%            |
| SAU801663     | CAC100067       | 51%      | 99.8%          | 99.4%            |
| SAU801663     | CBO100672       | 51%      | 99.8%          | 99.4%            |
| SAU801663     | CDF100033       | 36%      | 26.0%          | 98.7%            |
| SAU801663     | CDF102611       | 51%      | 99.3%          | 98.6%            |
| SAU801663     | CDP101232       | 42%      | 99.8%          | 99.3%            |
| SAU801663     | EBC104048       | 40%      | 97.5%          | 97.8%            |
| SAU801663     | EFA200179       | 65%      | 99.4%          | 98.9%            |
| SAU801663     | EFM201966       | 66%      | 99.7%          | 99.0%            |
| SAU801663     | ECO104148       | 40%      | 98.2%          | 98.4%            |
| SAU801663     | HIN101359       | 40%      | 99.9%          | 99.4%            |
| SAU801663     | HPY101136       | 39%      | 99.9%          | 99.5%            |
| SAU801663     | KPN303513       | 40%      | 97.1%          | 99.6%            |
| SAU801663     | LPN102949       | 43%      | 93.9%          | 100%             |
| SAU801663     | LMO102840       | 66%      | 99.9%          | 99.0%            |
| SAU801663     | MCA101259       | 41%      | 99.5%          | 99.2%            |
| SAU801663     | MAV104126       | 44%      | 94.1%          | 100%             |
| SAU801663     | MBV101058       | 43%      | 99.7%          | 100%             |
| SAU801663     | MLP100909       | 44%      | 99.8%          | 99.0%            |
| SAU801663     | MTU202412       | 43%      | 99.7%          | 100%             |
| SAU801663     | MGE100341       | 36%      | 99.1%          | 98.3%            |
| SAU801663     | MPN100361       | 36%      | 99.2%          | 98.4%            |
| SAU801663     | NGO100851       | 40%      | 99.2%          | 99.8%            |
| SAU801663     | NME200089       | 40%      | 99.7%          | 99.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801663     | PMU100818       | 40%      | 99.9%          | 99.4%            |
| SAU801663     | PRT105161       | 42%      | 97.0%          | 96.3%            |
| SAU801663     | PAE203831       | 41%      | 98.2%          | 98.4%            |
| SAU801663     | PPU109466       | 41%      | 97.7%          | 98.5%            |
| SAU801663     | PSY104286       | 42%      | 98.2%          | 98.4%            |
| SAU801663     | SPA100729       | 34%      | 67.4%          | 98.4%            |
| SAU801663     | STY104006       | 40%      | 98.2%          | 98.4%            |
| SAU801663     | SAU801663       | 100%     | 100%           | 100%             |
| SAU801663     | SEP201629       | 89%      | 100%           | 100%             |
| SAU801663     | SHA100785       | 89%      | 100%           | 100%             |
| SAU801663     | SMU100583       | 60%      | 99.8%          | 99.2%            |
| SAU801663     | SPN400492       | 59%      | 99.8%          | 99.2%            |
| SAU801663     | SPY201210       | 61%      | 99.8%          | 99.3%            |
| SAU801663     | TPA101025       | 40%      | 97.5%          | 96.0%            |
| SAU801663     | UR100269        | 41%      | 99.8%          | 99.2%            |
| SAU801663     | VCH102467       | 41%      | 99.8%          | 99.5%            |
| SAU801663     | YPS000947       | 41%      | 97.0%          | 96.0%            |
| SAU801668     | ABA100700       | 43%      | 96.3%          | 88.7%            |
| SAU801668     | BAN101055       | 53%      | 100%           | 99.7%            |
| SAU801668     | BAN100517       | 63%      | 100%           | 97.9%            |
| SAU801668     | BPT100922       | 45%      | 98.8%          | 95.6%            |
| SAU801668     | BCE101370       | 45%      | 98.1%          | 96.7%            |
| SAU801668     | BFU101599       | 45%      | 98.1%          | 96.7%            |
| SAU801668     | BMA104829       | 46%      | 98.1%          | 96.7%            |
| SAU801668     | CJU100923       | 50%      | 98.8%          | 98.5%            |
| SAU801668     | CPN200001       | 43%      | 98.1%          | 95.8%            |
| SAU801668     | CTR200001       | 42%      | 98.1%          | 95.5%            |
| SAU801668     | CAC102676       | 55%      | 98.8%          | 99.4%            |
| SAU801668     | CBO101832       | 54%      | 98.8%          | 98.1%            |
| SAU801668     | CDF102168       | 56%      | 98.8%          | 98.5%            |
| SAU801668     | CDP100775       | 48%      | 98.1%          | 97.9%            |
| SAU801668     | EBC102698       | 54%      | 67.3%          | 96.0%            |
| SAU801668     | ECO100361       | 49%      | 96.9%          | 92.8%            |
| SAU801668     | HPY100160       | 51%      | 99.4%          | 99.4%            |
| SAU801668     | KPN308372       | 49%      | 96.9%          | 96.0%            |
| SAU801668     | LPN101016       | 48%      | 98.5%          | 96.1%            |
| SAU801668     | LMO100837       | 66%      | 99.7%          | 99.1%            |
| SAU801668     | MCA101135       | 45%      | 98.5%          | 96.4%            |
| SAU801668     | MAV107884       | 45%      | 98.1%          | 97.9%            |
| SAU801668     | MBV102362       | 46%      | 98.1%          | 97.6%            |
| SAU801668     | MLP101436       | 44%      | 98.1%          | 97.0%            |
| SAU801668     | MTU200510       | 46%      | 98.1%          | 97.0%            |
| SAU801668     | NGO100861       | 43%      | 98.8%          | 95.3%            |
| SAU801668     | NME200933       | 44%      | 98.8%          | 95.3%            |
| SAU801668     | PMU101692       | 45%      | 98.1%          | 94.4%            |
| SAU801668     | PRT102370       | 49%      | 96.9%          | 95.7%            |
| SAU801668     | PAE205238       | 45%      | 98.8%          | 95.5%            |
| SAU801668     | PPU110651       | 47%      | 97.5%          | 96.6%            |
| SAU801668     | PSY101277       | 45%      | 96.0%          | 93.2%            |
| SAU801668     | SPA101546       | 46%      | 84.9%          | 94.7%            |
| SAU801668     | STY104591       | 49%      | 96.9%          | 96.0%            |
| SAU801668     | SAU801668       | 100%     | 100%           | 100%             |
| SAU801668     | SEP201642       | 90%      | 100%           | 100%             |
| SAU801668     | SHA101765       | 86%      | 62.3%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801668     | VCH100105       | 45%      | 98.1%          | 92.5%            |
| SAU801668     | YPS000599       | 46%      | 98.1%          | 94.4%            |
| SAU801669     | BAN100994       | 40%      | 34.7%          | 32.9%            |
| SAU801669     | BAN107924       | 32%      | 80.6%          | 76.4%            |
| SAU801669     | CJU101006       | 23%      | 78.4%          | 81.3%            |
| SAU801669     | CDP100774       | 25%      | 82.4%          | 36.2%            |
| SAU801669     | LPN101520       | 24%      | 57.7%          | 54.8%            |
| SAU801669     | LMO101547       | 27%      | 87.8%          | 33.3%            |
| SAU801669     | MAV108772       | 27%      | 80.6%          | 36.2%            |
| SAU801669     | MBV102363       | 27%      | 80.6%          | 36.3%            |
| SAU801669     | MLP101437       | 26%      | 83.3%          | 36.6%            |
| SAU801669     | MTU200509       | 27%      | 80.6%          | 35.4%            |
| SAU801669     | SAU801669       | 100%     | 100%           | 100%             |
| SAU801669     | SEP201643       | 64%      | 99.5%          | 97.8%            |
| SAU801669     | SHA100589       | 55%      | 99.1%          | 97.3%            |
| SAU801670     | ABA104490       | 46%      | 98.7%          | 98.4%            |
| SAU801670     | BAN106158       | 43%      | 99.4%          | 99.7%            |
| SAU801670     | BAN110595       | 57%      | 99.4%          | 99.0%            |
| SAU801670     | BPT102803       | 42%      | 98.7%          | 96.8%            |
| SAU801670     | BCE100543       | 43%      | 97.7%          | 91.0%            |
| SAU801670     | BFU106232       | 45%      | 97.7%          | 91.6%            |
| SAU801670     | BMA109200       | 42%      | 97.7%          | 92.4%            |
| SAU801670     | CJU100507       | 40%      | 97.7%          | 98.0%            |
| SAU801670     | CPN200711       | 32%      | 56.5%          | 73.5%            |
| SAU801670     | CTR200564       | 33%      | 56.2%          | 70.7%            |
| SAU801670     | CAC102785       | 36%      | 94.8%          | 99.0%            |
| SAU801670     | CBO103439       | 44%      | 80.8%          | 83.4%            |
| SAU801670     | CDF103801       | 42%      | 96.1%          | 99.0%            |
| SAU801670     | CDP100772       | 33%      | 96.8%          | 99.0%            |
| SAU801670     | EBC102514       | 45%      | 96.8%          | 93.1%            |
| SAU801670     | ECO103717       | 45%      | 96.8%          | 93.1%            |
| SAU801670     | HPY100233       | 38%      | 98.4%          | 98.7%            |
| SAU801670     | KPN308138       | 43%      | 96.8%          | 95.2%            |
| SAU801670     | LPN101369       | 41%      | 97.1%          | 93.5%            |
| SAU801670     | LMO101599       | 52%      | 98.4%          | 98.4%            |
| SAU801670     | MCA101397       | 45%      | 98.7%          | 97.2%            |
| SAU801670     | MAV106921       | 35%      | 96.1%          | 94.7%            |
| SAU801670     | MBV102364       | 35%      | 96.1%          | 96.5%            |
| SAU801670     | MLP101438       | 34%      | 96.1%          | 94.7%            |
| SAU801670     | MTU200508       | 35%      | 96.1%          | 97.4%            |
| SAU801670     | NGO101908       | 46%      | 97.4%          | 96.5%            |
| SAU801670     | NME200661       | 46%      | 97.4%          | 96.5%            |
| SAU801670     | PMU101812       | 44%      | 98.4%          | 96.8%            |
| SAU801670     | PRT102814       | 44%      | 96.1%          | 94.6%            |
| SAU801670     | PAE205255       | 45%      | 97.7%          | 96.2%            |
| SAU801670     | PPU105501       | 44%      | 98.4%          | 96.8%            |
| SAU801670     | PSY101227       | 46%      | 97.7%          | 96.2%            |
| SAU801670     | SPA101514       | 44%      | 96.8%          | 94.0%            |
| SAU801670     | STY102055       | 46%      | 96.8%          | 95.2%            |
| SAU801670     | SAU801670       | 100%     | 100%           | 100%             |
| SAU801670     | SEP201644       | 82%      | 99.4%          | 99.4%            |
| SAU801670     | SHA100588       | 84%      | 99.7%          | 99.0%            |
| SAU801670     | VCH100120       | 43%      | 98.4%          | 95.6%            |
| SAU801670     | YPS001422       | 42%      | 96.1%          | 94.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801671     | ABA100570       | 23%      | 94.5%          | 95.5%            |
| SAU801671     | BAN106101       | 27%      | 73.4%          | 77.6%            |
| SAU801671     | BAN113250       | 30%      | 95.9%          | 93.9%            |
| SAU801671     | BPT100926       | 21%      | 90.0%          | 52.5%            |
| SAU801671     | BCE109235       | 18%      | 75.3%          | 51.8%            |
| SAU801671     | BFU105613       | 18%      | 75.3%          | 50.9%            |
| SAU801671     | BMA103662       | 17%      | 92.6%          | 65.4%            |
| SAU801671     | CDP100805       | 24%      | 48.7%          | 43.5%            |
| SAU801671     | EBC102475       | 21%      | 90.4%          | 83.0%            |
| SAU801671     | ECO102558       | 22%      | 90.4%          | 83.0%            |
| SAU801671     | HIN101070       | 23%      | 63.1%          | 21.6%            |
| SAU801671     | HPY100374       | 20%      | 76.4%          | 21.3%            |
| SAU801671     | KPN301265       | 21%      | 72.0%          | 66.6%            |
| SAU801671     | MCA103521       | 23%      | 82.3%          | 84.8%            |
| SAU801671     | MAV108685       | 22%      | 82.3%          | 70.5%            |
| SAU801671     | MBV103201       | 24%      | 84.1%          | 70.7%            |
| SAU801671     | MLP101430       | 23%      | 84.1%          | 70.6%            |
| SAU801671     | MTU200526       | 24%      | 84.1%          | 70.7%            |
| SAU801671     | NGO101770       | 23%      | 56.5%          | 59.3%            |
| SAU801671     | NME202025       | 23%      | 56.5%          | 59.3%            |
| SAU801671     | PRT100857       | 20%      | 72.7%          | 66.1%            |
| SAU801671     | PAE203744       | 24%      | 82.3%          | 82.7%            |
| SAU801671     | PPU103412       | 26%      | 94.1%          | 92.2%            |
| SAU801671     | PSY103780       | 26%      | 49.1%          | 70.4%            |
| SAU801671     | SPA101534       | 20%      | 90.4%          | 83.0%            |
| SAU801671     | STY102227       | 20%      | 90.4%          | 90.9%            |
| SAU801671     | STM102478       | 20%      | 90.4%          | 90.9%            |
| SAU801671     | SAU801671       | 100%     | 100%           | 100%             |
| SAU801671     | SEP201645       | 73%      | 99.3%          | 99.6%            |
| SAU801671     | SHA100587       | 72%      | 99.3%          | 99.6%            |
| SAU801671     | SPN203453       | 20%      | 66.8%          | 62.4%            |
| SAU801671     | UUR100525       | 23%      | 69.4%          | 29.5%            |
| SAU801671     | VCH100549       | 24%      | 69.7%          | 68.9%            |
| SAU801671     | YPS003452       | 19%      | 72.0%          | 64.0%            |
| SAU801677     | SAU801677       | 100%     | 100%           | 100%             |
| SAU801677     | SEP201661       | 81%      | 100%           | 99.5%            |
| SAU801677     | SHA102781       | 72%      | 30.2%          | 98.4%            |
| SAU801678     | ABA102501       | 57%      | 99.2%          | 98.3%            |
| SAU801678     | BAN104202       | 58%      | 97.5%          | 96.6%            |
| SAU801678     | BAN110178       | 77%      | 97.5%          | 97.5%            |
| SAU801678     | BFR104064       | 55%      | 98.3%          | 100%             |
| SAU801678     | BPT100292       | 56%      | 99.2%          | 98.3%            |
| SAU801678     | BBU100187       | 50%      | 96.6%          | 99.1%            |
| SAU801678     | BCE102715       | 58%      | 99.2%          | 98.3%            |
| SAU801678     | BFU102443       | 59%      | 99.2%          | 98.3%            |
| SAU801678     | BMA107401       | 58%      | 99.2%          | 98.3%            |
| SAU801678     | CJU100217       | 52%      | 99.2%          | 100%             |
| SAU801678     | CPN200847       | 46%      | 100%           | 97.5%            |
| SAU801678     | CTR200218       | 48%      | 100%           | 95.9%            |
| SAU801678     | CAC101951       | 57%      | 96.6%          | 95.8%            |
| SAU801678     | CDF102735       | 55%      | 99.2%          | 99.2%            |
| SAU801678     | CDP100976       | 48%      | 99.2%          | 92.1%            |
| SAU801678     | EBC102984       | 61%      | 99.2%          | 99.2%            |
| SAU801678     | EFA200358       | 71%      | 99.2%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801678     | EFM201307       | 69%      | 99.2%          | 98.3%            |
| SAU801678     | ECO101684       | 61%      | 99.2%          | 99.2%            |
| SAU801678     | HIN101286       | 62%      | 99.2%          | 100%             |
| SAU801678     | HPY100124       | 47%      | 97.5%          | 99.1%            |
| SAU801678     | KPN301692       | 60%      | 99.2%          | 99.2%            |
| SAU801678     | LPN101410       | 58%      | 99.2%          | 98.3%            |
| SAU801678     | LMO100743       | 70%      | 99.2%          | 98.3%            |
| SAU801678     | MAV106548       | 50%      | 99.2%          | 89.3%            |
| SAU801678     | MBV101274       | 50%      | 99.2%          | 90.7%            |
| SAU801678     | MLP100866       | 50%      | 99.2%          | 90.7%            |
| SAU801678     | MTU201622       | 50%      | 99.2%          | 90.7%            |
| SAU801678     | MGE100200       | 51%      | 94.9%          | 90.3%            |
| SAU801678     | MPN100037       | 56%      | 94.9%          | 88.2%            |
| SAU801678     | NGO101855       | 63%      | 99.2%          | 98.3%            |
| SAU801678     | NME200857       | 63%      | 99.2%          | 98.3%            |
| SAU801678     | PMU100604       | 61%      | 99.2%          | 100%             |
| SAU801678     | PRT101306       | 62%      | 99.2%          | 99.2%            |
| SAU801678     | PAE202739       | 58%      | 99.2%          | 99.2%            |
| SAU801678     | PPU111376       | 58%      | 99.2%          | 99.2%            |
| SAU801678     | PSY109131       | 57%      | 99.2%          | 99.2%            |
| SAU801678     | SPA100657       | 60%      | 97.5%          | 95.8%            |
| SAU801678     | STY101118       | 61%      | 99.2%          | 99.2%            |
| SAU801678     | STM103448       | 61%      | 99.2%          | 99.2%            |
| SAU801678     | SAU801678       | 100%     | 100%           | 100%             |
| SAU801678     | SEP201662       | 94%      | 100%           | 100%             |
| SAU801678     | SHA100082       | 93%      | 100%           | 100%             |
| SAU801678     | SMU100912       | 63%      | 99.2%          | 98.3%            |
| SAU801678     | SPN400863       | 63%      | 99.2%          | 98.3%            |
| SAU801678     | SPY200598       | 63%      | 99.2%          | 98.3%            |
| SAU801678     | TPA100839       | 50%      | 89.0%          | 86.1%            |
| SAU801678     | UUR100231       | 54%      | 93.2%          | 96.7%            |
| SAU801678     | VCH103020       | 63%      | 99.2%          | 100%             |
| SAU801678     | YPS003061       | 62%      | 99.2%          | 99.2%            |
| SAU801679     | ABA102503       | 48%      | 97.0%          | 85.1%            |
| SAU801679     | BAN113355       | 72%      | 93.9%          | 93.9%            |
| SAU801679     | BAN109536       | 72%      | 93.9%          | 93.9%            |
| SAU801679     | BFR104500       | 46%      | 95.5%          | 100%             |
| SAU801679     | BPT100293       | 45%      | 97.0%          | 98.5%            |
| SAU801679     | BBU100188       | 41%      | 93.9%          | 93.9%            |
| SAU801679     | BCE106262       | 42%      | 92.4%          | 98.4%            |
| SAU801679     | BFU102444       | 40%      | 92.4%          | 98.4%            |
| SAU801679     | BMA105698       | 45%      | 97.0%          | 98.5%            |
| SAU801679     | CJU100216       | 40%      | 93.9%          | 96.8%            |
| SAU801679     | CPN200848       | 45%      | 93.9%          | 96.9%            |
| SAU801679     | CTR200217       | 41%      | 93.9%          | 96.9%            |
| SAU801679     | CAC101588       | 56%      | 97.0%          | 98.5%            |
| SAU801679     | CBO102406       | 57%      | 97.0%          | 98.5%            |
| SAU801679     | CDF104095       | 60%      | 97.0%          | 100%             |
| SAU801679     | CDP100973       | 50%      | 90.9%          | 93.8%            |
| SAU801679     | EBC102982       | 53%      | 97.0%          | 98.5%            |
| SAU801679     | EFA203061       | 66%      | 100%           | 100%             |
| SAU801679     | EFM202134       | 65%      | 100%           | 100%             |
| SAU801679     | ECO101685       | 48%      | 97.0%          | 98.5%            |
| SAU801679     | HIN101285       | 50%      | 97.0%          | 71.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801679     | HPY100123       | 43%      | 93.9%          | 95.3%            |
| SAU801679     | KPN301691       | 48%      | 97.0%          | 98.5%            |
| SAU801679     | LPN101798       | 48%      | 92.4%          | 100%             |
| SAU801679     | LMO101064       | 66%      | 100%           | 100%             |
| SAU801679     | MAV106547       | 45%      | 93.9%          | 96.9%            |
| SAU801679     | MBV101273       | 43%      | 93.9%          | 96.9%            |
| SAU801679     | MLP100865       | 45%      | 93.9%          | 96.9%            |
| SAU801679     | MTU201621       | 43%      | 93.9%          | 96.9%            |
| SAU801679     | MGE100199       | 57%      | 89.4%          | 100%             |
| SAU801679     | MPN100038       | 55%      | 89.4%          | 100%             |
| SAU801679     | NGO101853       | 45%      | 97.0%          | 98.5%            |
| SAU801679     | NME200856       | 45%      | 97.0%          | 98.5%            |
| SAU801679     | PMU100603       | 50%      | 97.0%          | 98.5%            |
| SAU801679     | PRT103408       | 51%      | 97.0%          | 98.5%            |
| SAU801679     | PAE202740       | 54%      | 93.9%          | 95.3%            |
| SAU801679     | PPU103712       | 54%      | 93.9%          | 88.4%            |
| SAU801679     | PSY107471       | 51%      | 93.9%          | 95.3%            |
| SAU801679     | SPA100656       | 48%      | 97.0%          | 98.5%            |
| SAU801679     | STY101126       | 48%      | 97.0%          | 98.5%            |
| SAU801679     | STM103447       | 48%      | 97.0%          | 98.5%            |
| SAU801679     | SAU801679       | 100%     | 100%           | 100%             |
| SAU801679     | SEP201663       | 95%      | 100%           | 100%             |
| SAU801679     | SHA100081       | 93%      | 100%           | 100%             |
| SAU801679     | SMU100910       | 59%      | 100%           | 100%             |
| SAU801679     | SPN400862       | 59%      | 100%           | 100%             |
| SAU801679     | SPY200597       | 64%      | 93.9%          | 95.4%            |
| SAU801679     | TPA100840       | 41%      | 93.9%          | 93.9%            |
| SAU801679     | UUR100230       | 50%      | 90.9%          | 93.8%            |
| SAU801679     | VCH103019       | 43%      | 97.0%          | 98.4%            |
| SAU801679     | YPS003064       | 53%      | 97.0%          | 98.5%            |
| SAU801680     | ABA102498       | 43%      | 65.1%          | 100%             |
| SAU801680     | BAN104142       | 63%      | 100%           | 100%             |
| SAU801680     | BAN107901       | 63%      | 100%           | 87.7%            |
| SAU801680     | BFR100214       | 46%      | 96.5%          | 83.3%            |
| SAU801680     | BPT101959       | 52%      | 88.4%          | 92.7%            |
| SAU801680     | BBU100189       | 44%      | 97.7%          | 90.3%            |
| SAU801680     | BCE106172       | 46%      | 90.7%          | 100%             |
| SAU801680     | BFU107897       | 47%      | 90.7%          | 100%             |
| SAU801680     | BMA109299       | 48%      | 90.7%          | 100%             |
| SAU801680     | CJU100195       | 42%      | 97.7%          | 98.3%            |
| SAU801680     | CPN200849       | 45%      | 96.5%          | 89.2%            |
| SAU801680     | CTR200216       | 46%      | 94.2%          | 87.1%            |
| SAU801680     | CAC103337       | 52%      | 93.6%          | 92%              |
| SAU801680     | CBO100172       | 50%      | 93.6%          | 87.5%            |
| SAU801680     | CDF100791       | 52%      | 79.1%          | 96.5%            |
| SAU801680     | CDP100970       | 48%      | 82.6%          | 95.9%            |
| SAU801680     | EBC102980       | 51%      | 80.2%          | 96.5%            |
| SAU801680     | EFA200363       | 72%      | 100%           | 98.8%            |
| SAU801680     | EFM200354       | 73%      | 48.8%          | 94.4%            |
| SAU801680     | ECO101686       | 53%      | 94.2%          | 90.6%            |
| SAU801680     | HIN101284       | 50%      | 76.2%          | 97.8%            |
| SAU801680     | HPY100122       | 38%      | 100%           | 84.7%            |
| SAU801680     | KPN301690       | 52%      | 80.2%          | 96.5%            |
| SAU801680     | LMO102427       | 69%      | 100%           | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801680     | MCA103235       | 47%      | 84.9%          | 100%             |
| SAU801680     | MAV106545       | 46%      | 78.5%          | 78.0%            |
| SAU801680     | MBV103903       | 45%      | 87.2%          | 81.5%            |
| SAU801680     | MLP100864       | 46%      | 87.2%          | 81.1%            |
| SAU801680     | MTU201620       | 45%      | 95.3%          | 81.6%            |
| SAU801680     | MGE100198       | 28%      | 92.4%          | 87.8%            |
| SAU801680     | MPN100039       | 35%      | 77.9%          | 66.7%            |
| SAU801680     | NGO101851       | 50%      | 88.4%          | 98.1%            |
| SAU801680     | NME200855       | 50%      | 95.3%          | 94.8%            |
| SAU801680     | PMU100602       | 50%      | 87.2%          | 98.1%            |
| SAU801680     | PRT100107       | 49%      | 62.8%          | 97.3%            |
| SAU801680     | PAE202741       | 48%      | 99.4%          | 93.4%            |
| SAU801680     | PPU111378       | 47%      | 99.4%          | 93.4%            |
| SAU801680     | PSY102598       | 49%      | 99.4%          | 96.6%            |
| SAU801680     | SPA100655       | 51%      | 94.2%          | 90.6%            |
| SAU801680     | STY101129       | 52%      | 94.2%          | 90.6%            |
| SAU801680     | STM103446       | 53%      | 80.2%          | 96.5%            |
| SAU801680     | SAU801680       | 100%     | 100%           | 100%             |
| SAU801680     | SEP201664       | 94%      | 100%           | 98.3%            |
| SAU801680     | SMU100907       | 59%      | 100%           | 86%              |
| SAU801680     | SPN400861       | 61%      | 100%           | 88.2%            |
| SAU801680     | SPY200596       | 59%      | 100%           | 97.7%            |
| SAU801680     | TPA100841       | 44%      | 96.5%          | 92.7%            |
| SAU801680     | UUR100229       | 40%      | 89.5%          | 86.5%            |
| SAU801680     | YPS003067       | 53%      | 94.2%          | 90.7%            |
| SAU801681     | SAU801681       | 100%     | 100%           | 100%             |
| SAU801682     | KPN101788       | 53%      | 87.9%          | 98.2%            |
| SAU801682     | SAU801682       | 100%     | 100%           | 100%             |
| SAU801682     | SEP201665       | 87%      | 93.3%          | 58.8%            |
| SAU801683     | ABA102500       | 42%      | 97.2%          | 97.0%            |
| SAU801683     | BAN108871       | 64%      | 94.6%          | 96.9%            |
| SAU801683     | BAN105353       | 70%      | 97.5%          | 98.0%            |
| SAU801683     | BFR103141       | 45%      | 79.8%          | 99.4%            |
| SAU801683     | BPT101956       | 42%      | 99.4%          | 98.6%            |
| SAU801683     | BBU100719       | 40%      | 89.5%          | 98.6%            |
| SAU801683     | BCE105528       | 43%      | 98.8%          | 99.4%            |
| SAU801683     | BFU105096       | 43%      | 98.8%          | 97.4%            |
| SAU801683     | BMA106934       | 43%      | 99.2%          | 99.8%            |
| SAU801683     | CJU100194       | 42%      | 94.9%          | 99.8%            |
| SAU801683     | CPN201046       | 40%      | 96.3%          | 96.2%            |
| SAU801683     | CTR200859       | 40%      | 97.5%          | 97.8%            |
| SAU801683     | CAC102528       | 45%      | 99.1%          | 99.2%            |
| SAU801683     | CBO100249       | 47%      | 99.1%          | 95.2%            |
| SAU801683     | CDF102396       | 47%      | 99.2%          | 93.6%            |
| SAU801683     | CDP100262       | 40%      | 88.8%          | 87.3%            |
| SAU801683     | EBC102990       | 43%      | 98.4%          | 98.1%            |
| SAU801683     | EFA200266       | 67%      | 98.6%          | 98.9%            |
| SAU801683     | EFM200127       | 67%      | 98.8%          | 98.9%            |
| SAU801683     | ECO101687       | 43%      | 98.4%          | 98.1%            |
| SAU801683     | HIN101333       | 41%      | 98.9%          | 98.4%            |
| SAU801683     | HPY100121       | 41%      | 90.2%          | 93.5%            |
| SAU801683     | KPN300773       | 43%      | 95.7%          | 98.4%            |
| SAU801683     | LPN100924       | 45%      | 94.9%          | 99.7%            |
| SAU801683     | LMO102823       | 72%      | 98.6%          | 99.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801683     | MCA103158       | 43%      | 99.5%          | 99.4%            |
| SAU801683     | MAV102514       | 41%      | 90.1%          | 88.2%            |
| SAU801683     | MBV100785       | 40%      | 92.1%          | 88.5%            |
| SAU801683     | MLP100282       | 39%      | 96.3%          | 91.0%            |
| SAU801683     | MTU202577       | 40%      | 92.1%          | 89.2%            |
| SAU801683     | MGE100386       | 42%      | 81.6%          | 92.7%            |
| SAU801683     | MPN100289       | 41%      | 82.3%          | 93.6%            |
| SAU801683     | NGO101849       | 44%      | 98.6%          | 97.1%            |
| SAU801683     | NME200854       | 44%      | 98.6%          | 98.7%            |
| SAU801683     | PMU100593       | 41%      | 98.9%          | 98.4%            |
| SAU801683     | PRT105628       | 42%      | 98.4%          | 98.1%            |
| SAU801683     | PAE202742       | 41%      | 97.1%          | 96.9%            |
| SAU801683     | PPU103710       | 41%      | 97.2%          | 97.0%            |
| SAU801683     | PSY102599       | 42%      | 97.1%          | 96.9%            |
| SAU801683     | SPA100654       | 41%      | 75.0%          | 96.1%            |
| SAU801683     | STY101132       | 43%      | 98.4%          | 98.1%            |
| SAU801683     | STM103445       | 43%      | 98.4%          | 98.1%            |
| SAU801683     | SAU801683       | 100%     | 100%           | 100%             |
| SAU801683     | SEP201666       | 89%      | 100%           | 100%             |
| SAU801683     | SHA100279       | 92%      | 75.8%          | 100%             |
| SAU801683     | SMU101079       | 64%      | 99.1%          | 98.8%            |
| SAU801683     | SPN401471       | 63%      | 99.1%          | 97.1%            |
| SAU801683     | SPY200371       | 63%      | 99.1%          | 98.8%            |
| SAU801683     | TPA100828       | 41%      | 85.1%          | 92.4%            |
| SAU801683     | UUR100540       | 49%      | 88.5%          | 98.8%            |
| SAU801683     | VCH103018       | 42%      | 98.9%          | 98.8%            |
| SAU801683     | YPS003070       | 42%      | 98.4%          | 98.1%            |
| SAU801687     | ABA101897       | 42%      | 94.4%          | 97.9%            |
| SAU801687     | BAN112255       | 62%      | 98.5%          | 98.8%            |
| SAU801687     | BFR105929       | 48%      | 95.6%          | 98.8%            |
| SAU801687     | BPT100913       | 48%      | 98.2%          | 100%             |
| SAU801687     | BBU100057       | 50%      | 95.0%          | 98.8%            |
| SAU801687     | BCE100315       | 50%      | 95.3%          | 97.9%            |
| SAU801687     | BMA104624       | 49%      | 95.3%          | 97.9%            |
| SAU801687     | CBO101733       | 52%      | 97.4%          | 99.7%            |
| SAU801687     | CDF104406       | 52%      | 97.4%          | 99.7%            |
| SAU801687     | EBC101178       | 50%      | 94.1%          | 96.7%            |
| SAU801687     | ECO101747       | 47%      | 96.2%          | 99.4%            |
| SAU801687     | HIN100001       | 46%      | 96.2%          | 98.5%            |
| SAU801687     | HPY101328       | 41%      | 96.2%          | 99.1%            |
| SAU801687     | KPN301260       | 49%      | 94.1%          | 96.7%            |
| SAU801687     | LPN102268       | 52%      | 96.2%          | 99.1%            |
| SAU801687     | MCA100654       | 37%      | 95.9%          | 95.3%            |
| SAU801687     | NGO100736       | 49%      | 97.1%          | 98.3%            |
| SAU801687     | NME200057       | 48%      | 97.1%          | 98.3%            |
| SAU801687     | PRT101067       | 46%      | 96.2%          | 99.4%            |
| SAU801687     | PAE203193       | 50%      | 96.8%          | 99.1%            |
| SAU801687     | PPU103462       | 51%      | 94.7%          | 97.3%            |
| SAU801687     | PSY104227       | 51%      | 94.7%          | 97.3%            |
| SAU801687     | SPA101906       | 43%      | 97.1%          | 99.1%            |
| SAU801687     | STY101244       | 48%      | 96.2%          | 99.4%            |
| SAU801687     | SAU801687       | 100%     | 100%           | 100%             |
| SAU801687     | SEP201680       | 82%      | 99.7%          | 99.7%            |
| SAU801687     | TPA100835       | 41%      | 95.0%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801694     | ABA105254       | 61%      | 99.3%          | 96.9%            |
| SAU801694     | BAN112004       | 77%      | 99.5%          | 97.7%            |
| SAU801694     | BFR10209        | 60%      | 99.1%          | 99.2%            |
| SAU801694     | BPT102694       | 62%      | 99.1%          | 97.1%            |
| SAU801694     | BCE100542       | 64%      | 84.6%          | 96.6%            |
| SAU801694     | BFU100077       | 62%      | 57.1%          | 96.2%            |
| SAU801694     | BMA102395       | 63%      | 99.3%          | 97.1%            |
| SAU801694     | CAC100329       | 38%      | 95.0%          | 98.2%            |
| SAU801694     | CBO103577       | 37%      | 95.0%          | 98.5%            |
| SAU801694     | CDF102339       | 38%      | 94.5%          | 98.2%            |
| SAU801694     | EBC103518       | 62%      | 99.1%          | 97.4%            |
| SAU801694     | ECO101109       | 62%      | 99.1%          | 97.4%            |
| SAU801694     | HPY100026       | 61%      | 99.1%          | 96.7%            |
| SAU801694     | KPN301139       | 64%      | 85.5%          | 93.0%            |
| SAU801694     | LPN103112       | 66%      | 31.5%          | 100%             |
| SAU801694     | LMO101307       | 77%      | 99.1%          | 99.5%            |
| SAU801694     | PMU101606       | 61%      | 99.1%          | 97.6%            |
| SAU801694     | PRT100717       | 50%      | 11.8%          | 100%             |
| SAU801694     | PRT100403       | 64%      | 98.8%          | 97.1%            |
| SAU801694     | PAE202621       | 62%      | 99.5%          | 97.6%            |
| SAU801694     | PPU100885       | 61%      | 98.8%          | 96.9%            |
| SAU801694     | SPA104215       | 59%      | 99.1%          | 98.1%            |
| SAU801694     | STY102941       | 62%      | 99.1%          | 97.4%            |
| SAU801694     | STM102772       | 62%      | 99.1%          | 97.4%            |
| SAU801694     | SAU801694       | 100%     | 100%           | 100%             |
| SAU801694     | SEP201686       | 93%      | 100%           | 100%             |
| SAU801694     | SHA100973       | 92%      | 100%           | 100%             |
| SAU801694     | SMU100855       | 56%      | 99.3%          | 98.5%            |
| SAU801694     | YPS000338       | 61%      | 99.1%          | 97.4%            |
| SAU801695     | ABA106072       | 35%      | 97.9%          | 95.3%            |
| SAU801695     | BAN107073       | 56%      | 98.4%          | 98.9%            |
| SAU801695     | BFR11387        | 33%      | 99.2%          | 94.8%            |
| SAU801695     | BPT101641       | 35%      | 97.9%          | 91.8%            |
| SAU801695     | BCE115034       | 36%      | 97.9%          | 94.1%            |
| SAU801695     | BFU102001       | 35%      | 97.9%          | 94.3%            |
| SAU801695     | BFU100604       | 36%      | 98.1%          | 93.2%            |
| SAU801695     | BMA104539       | 37%      | 97.9%          | 94.1%            |
| SAU801695     | CJU101587       | 35%      | 97.6%          | 90.3%            |
| SAU801695     | CDP100042       | 36%      | 99.7%          | 91.1%            |
| SAU801695     | EBC101675       | 34%      | 96.5%          | 88.1%            |
| SAU801695     | ECO100325       | 36%      | 98.1%          | 94.6%            |
| SAU801695     | HPY100025       | 34%      | 95.2%          | 89.7%            |
| SAU801695     | KPN302561       | 34%      | 96.5%          | 88.5%            |
| SAU801695     | LPN101295       | 37%      | 99.7%          | 99.7%            |
| SAU801695     | LMO101744       | 54%      | 98.9%          | 99.2%            |
| SAU801695     | MCA103218       | 38%      | 94.1%          | 85.6%            |
| SAU801695     | MAV103161       | 38%      | 96.8%          | 96.5%            |
| SAU801695     | MBV104689       | 38%      | 97.1%          | 91.9%            |
| SAU801695     | MLP101277       | 34%      | 93.0%          | 84.2%            |
| SAU801695     | MTU201116       | 38%      | 97.1%          | 91.9%            |
| SAU801695     | NGO100564       | 37%      | 97.9%          | 95.5%            |
| SAU801695     | NME201898       | 37%      | 97.9%          | 95.6%            |
| SAU801695     | PMU100276       | 33%      | 92.8%          | 84.3%            |
| SAU801695     | PRT102070       | 33%      | 96.5%          | 88.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801695     | PAE200794       | 41%      | 98.1%          | 97.3%            |
| SAU801695     | PPU111305       | 41%      | 98.1%          | 97.3%            |
| SAU801695     | PSY105567       | 39%      | 98.1%          | 96.3%            |
| SAU801695     | SPA102598       | 34%      | 93.6%          | 95.9%            |
| SAU801695     | STY104558       | 36%      | 97.9%          | 94.3%            |
| SAU801695     | STM104272       | 35%      | 97.9%          | 94.3%            |
| SAU801695     | SAU801695       | 100%     | 100%           | 100%             |
| SAU801695     | SEP201687       | 85%      | 99.7%          | 99.7%            |
| SAU801695     | SHA100972       | 82%      | 99.7%          | 100%             |
| SAU801695     | SMU100854       | 49%      | 99.7%          | 100%             |
| SAU801695     | VCH101317       | 37%      | 98.1%          | 97.1%            |
| SAU801695     | YPS002059       | 35%      | 96.5%          | 88.3%            |
| SAU801697     | BAN102623       | 60%      | 100%           | 100%             |
| SAU801697     | BFR102996       | 41%      | 81.4%          | 96.5%            |
| SAU801697     | BPT102404       | 37%      | 80.2%          | 96.9%            |
| SAU801697     | BBU100347       | 43%      | 80.9%          | 97.9%            |
| SAU801697     | BCE107531       | 40%      | 80.9%          | 85.7%            |
| SAU801697     | BFU103511       | 40%      | 80.9%          | 75.2%            |
| SAU801697     | BMA100592       | 39%      | 80.9%          | 99.2%            |
| SAU801697     | CJU100360       | 44%      | 80.2%          | 97.5%            |
| SAU801697     | CPN200665       | 39%      | 81.7%          | 98.6%            |
| SAU801697     | CTR200601       | 42%      | 76.9%          | 93.8%            |
| SAU801697     | CAC102744       | 53%      | 80.7%          | 99.8%            |
| SAU801697     | CBO103563       | 49%      | 100%           | 100%             |
| SAU801697     | CDF101154       | 50%      | 100%           | 99.3%            |
| SAU801697     | CDP101191       | 41%      | 81.2%          | 98.9%            |
| SAU801697     | EBC101988       | 38%      | 80.7%          | 99.2%            |
| SAU801697     | EFA202113       | 60%      | 99.1%          | 99.1%            |
| SAU801697     | EFM201839       | 52%      | 99.1%          | 99.2%            |
| SAU801697     | ECO101644       | 48%      | 80.7%          | 100%             |
| SAU801697     | HIN101541       | 40%      | 77.8%          | 95.8%            |
| SAU801697     | KPN306162       | 51%      | 73.2%          | 100%             |
| SAU801697     | LPN100837       | 36%      | 76.4%          | 99.1%            |
| SAU801697     | LMO101206       | 58%      | 99.1%          | 99.1%            |
| SAU801697     | MAV106549       | 40%      | 81.0%          | 99.2%            |
| SAU801697     | MBV101766       | 38%      | 76.6%          | 99.5%            |
| SAU801697     | MLP100794       | 39%      | 81.0%          | 99.2%            |
| SAU801697     | MTU201596       | 38%      | 81.0%          | 99.2%            |
| SAU801697     | MGE100220       | 40%      | 58.3%          | 72.2%            |
| SAU801697     | MPN100533       | 41%      | 58.3%          | 72.2%            |
| SAU801697     | NGO101773       | 40%      | 79.7%          | 96.3%            |
| SAU801697     | NME200171       | 40%      | 79.7%          | 96.3%            |
| SAU801697     | PMU100653       | 39%      | 79.1%          | 97.3%            |
| SAU801697     | PRT102320       | 47%      | 80.7%          | 100%             |
| SAU801697     | PAE201497       | 37%      | 81.5%          | 99.0%            |
| SAU801697     | PPU107170       | 39%      | 80%            | 98.3%            |
| SAU801697     | PSY105033       | 39%      | 81.4%          | 99.4%            |
| SAU801697     | SPA101649       | 53%      | 45.0%          | 100%             |
| SAU801697     | STY101028       | 47%      | 80.7%          | 100%             |
| SAU801697     | STM101984       | 38%      | 80.2%          | 98.3%            |
| SAU801697     | SAU801697       | 100%     | 100%           | 100%             |
| SAU801697     | SEP201702       | 89%      | 100%           | 100%             |
| SAU801697     | SHA100298       | 88%      | 77.8%          | 100%             |
| SAU801697     | SMU101016       | 42%      | 80.5%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801697     | SPN400797       | 42%      | 80.5%          | 99.4%            |
| SAU801697     | SPY200985       | 42%      | 80.5%          | 99.4%            |
| SAU801697     | UUR100186       | 38%      | 56.9%          | 75.3%            |
| SAU801697     | VCH100480       | 50%      | 80.7%          | 100%             |
| SAU801697     | YPS002962       | 47%      | 80.7%          | 100%             |
| SAU801698     | BAN100067       | 60%      | 100%           | 95.3%            |
| SAU801698     | BFR11519        | 47%      | 100%           | 90.9%            |
| SAU801698     | BBU100726       | 26%      | 90.6%          | 71.0%            |
| SAU801698     | CPN200599       | 24%      | 68.1%          | 41.2%            |
| SAU801698     | CTR200472       | 23%      | 64.8%          | 39.1%            |
| SAU801698     | CAC100105       | 50%      | 99.7%          | 95.0%            |
| SAU801698     | CBO101518       | 47%      | 99.7%          | 92.7%            |
| SAU801698     | CDF101157       | 57%      | 100%           | 95.3%            |
| SAU801698     | CDP100166       | 35%      | 93.8%          | 90.6%            |
| SAU801698     | EBC106796       | 50%      | 99.3%          | 94.7%            |
| SAU801698     | EFA202114       | 53%      | 99.7%          | 95%              |
| SAU801698     | EFM200509       | 54%      | 99.7%          | 95%              |
| SAU801698     | ECO103822       | 48%      | 99.3%          | 94.7%            |
| SAU801698     | HIN100963       | 47%      | 99.3%          | 94.7%            |
| SAU801698     | KPN300184       | 56%      | 7.5%           | 41.1%            |
| SAU801698     | KPN306771       | 48%      | 99.3%          | 94.7%            |
| SAU801698     | LPN100265       | 25%      | 83.1%          | 64.5%            |
| SAU801698     | LMO100385       | 59%      | 100%           | 95.3%            |
| SAU801698     | MAV101408       | 36%      | 90.6%          | 87.8%            |
| SAU801698     | MBV103661       | 37%      | 90.6%          | 87.8%            |
| SAU801698     | MLP101042       | 36%      | 90.6%          | 87.8%            |
| SAU801698     | MTU202972       | 37%      | 90.6%          | 87.8%            |
| SAU801698     | MGE100219       | 35%      | 93.8%          | 89.8%            |
| SAU801698     | MPN100534       | 38%      | 93.8%          | 88.4%            |
| SAU801698     | PMU100069       | 46%      | 99.3%          | 94.7%            |
| SAU801698     | PRT100706       | 47%      | 99.3%          | 93.8%            |
| SAU801698     | SPA101674       | 49%      | 99.3%          | 94.7%            |
| SAU801698     | STY103207       | 49%      | 99.3%          | 94.7%            |
| SAU801698     | STM101597       | 49%      | 99.3%          | 94.7%            |
| SAU801698     | SAU801698       | 100%     | 100%           | 100%             |
| SAU801698     | SEP201703       | 84%      | 100%           | 100%             |
| SAU801698     | SHA100297       | 81%      | 100%           | 95.3%            |
| SAU801698     | SMU101017       | 50%      | 90.9%          | 82.8%            |
| SAU801698     | SPN400796       | 56%      | 90.9%          | 83.0%            |
| SAU801698     | SPY200986       | 53%      | 90.9%          | 82.8%            |
| SAU801698     | TPA100107       | 25%      | 95.1%          | 74.2%            |
| SAU801698     | UUR100185       | 24%      | 92.5%          | 89.4%            |
| SAU801698     | VCH102652       | 50%      | 99.3%          | 91.5%            |
| SAU801698     | YPS001617       | 48%      | 99.3%          | 94.8%            |
| SAU801700     | ABA100308       | 52%      | 83.8%          | 96.0%            |
| SAU801700     | BAN105768       | 63%      | 98.4%          | 95.4%            |
| SAU801700     | BPT101398       | 52%      | 99.7%          | 97.5%            |
| SAU801700     | BCE106451       | 53%      | 99.7%          | 96.9%            |
| SAU801700     | BFU100947       | 53%      | 99.7%          | 96.9%            |
| SAU801700     | BMA107589       | 53%      | 99.7%          | 96.9%            |
| SAU801700     | CJU100411       | 51%      | 99.7%          | 98.4%            |
| SAU801700     | CPN200335       | 48%      | 99.4%          | 96.3%            |
| SAU801700     | CTR200529       | 48%      | 99.4%          | 96.3%            |
| SAU801700     | CAC100492       | 60%      | 84.1%          | 96.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801700     | CBO102220       | 56%      | 88.9%          | 50.3%            |
| SAU801700     | CDF101403       | 55%      | 95.5%          | 95.5%            |
| SAU801700     | EBC102554       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | EFA200247       | 53%      | 80.6%          | 96.6%            |
| SAU801700     | EFM200190       | 56%      | 80.6%          | 96.9%            |
| SAU801700     | ECO100185       | 52%      | 98.4%          | 97.8%            |
| SAU801700     | HIN100386       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | HPY100550       | 48%      | 99.7%          | 97.8%            |
| SAU801700     | KPN301921       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | LPN101352       | 52%      | 85.0%          | 98.9%            |
| SAU801700     | LMO100159       | 60%      | 99.0%          | 97.8%            |
| SAU801700     | MCA100190       | 53%      | 80.3%          | 98.4%            |
| SAU801700     | MLP101010       | 25%      | 44.9%          | 29.0%            |
| SAU801700     | NGO100369       | 50%      | 99.7%          | 98.1%            |
| SAU801700     | NME201237       | 50%      | 99.7%          | 98.1%            |
| SAU801700     | PMU100292       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | PRT100667       | 51%      | 98.4%          | 97.8%            |
| SAU801700     | PRT101241       | 51%      | 98.4%          | 97.8%            |
| SAU801700     | PAE203637       | 52%      | 98.7%          | 98.1%            |
| SAU801700     | PPU101171       | 51%      | 98.4%          | 98.1%            |
| SAU801700     | PSY108491       | 50%      | 98.4%          | 97.5%            |
| SAU801700     | SPA100816       | 47%      | 89.2%          | 99.3%            |
| SAU801700     | STY103916       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | STM103628       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | SAU801700       | 100%     | 100%           | 100%             |
| SAU801700     | SEP201704       | 85%      | 100%           | 100%             |
| SAU801700     | SHA100923       | 86%      | 100%           | 99.7%            |
| SAU801700     | SMU100529       | 56%      | 79.0%          | 95.3%            |
| SAU801700     | SPN400387       | 56%      | 79.9%          | 96.9%            |
| SAU801700     | SPY201342       | 56%      | 79.0%          | 95.3%            |
| SAU801700     | VCH102210       | 52%      | 98.4%          | 97.8%            |
| SAU801700     | YPS001157       | 54%      | 98.4%          | 97.8%            |
| SAU801701     | ABA101266       | 42%      | 86.3%          | 83.2%            |
| SAU801701     | BAN103283       | 66%      | 98.6%          | 96.9%            |
| SAU801701     | BFR11219        | 27%      | 65.3%          | 34.0%            |
| SAU801701     | BFR11611        | 29%      | 76.8%          | 89.6%            |
| SAU801701     | BFR11899        | 29%      | 64.6%          | 33.9%            |
| SAU801701     | BPT100791       | 46%      | 94.0%          | 94.5%            |
| SAU801701     | BCE105100       | 57%      | 44.9%          | 94.1%            |
| SAU801701     | BFU114977       | 42%      | 91.6%          | 91.4%            |
| SAU801701     | BMA103750       | 43%      | 90.2%          | 89.7%            |
| SAU801701     | CJU100116       | 46%      | 97.2%          | 97.5%            |
| SAU801701     | CPN200705       | 46%      | 86.3%          | 80.8%            |
| SAU801701     | CTR200558       | 46%      | 86.3%          | 88.0%            |
| SAU801701     | CAC103552       | 58%      | 95.1%          | 98.2%            |
| SAU801701     | CDF101011       | 50%      | 98.9%          | 100%             |
| SAU801701     | CDP100046       | 35%      | 76.5%          | 43.1%            |
| SAU801701     | EBC101249       | 46%      | 83.9%          | 96.0%            |
| SAU801701     | EFA200246       | 53%      | 95.1%          | 96.5%            |
| SAU801701     | EFM200144       | 51%      | 95.8%          | 96.2%            |
| SAU801701     | ECO102274       | 47%      | 91.6%          | 86.8%            |
| SAU801701     | HIN101232       | 47%      | 90.5%          | 88.2%            |
| SAU801701     | HPY100934       | 47%      | 96.8%          | 95.5%            |
| SAU801701     | KPN302817       | 46%      | 91.6%          | 86.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801701     | LPN101645       | 49%      | 66.0%          | 85.8%            |
| SAU801701     | LMO101514       | 60%      | 98.2%          | 95.6%            |
| SAU801701     | MCA101005       | 47%      | 63.2%          | 95.7%            |
| SAU801701     | MAV105603       | 37%      | 76.8%          | 44.3%            |
| SAU801701     | MBV105423       | 38%      | 74.0%          | 42.2%            |
| SAU801701     | MLP100072       | 31%      | 64.9%          | 78.9%            |
| SAU801701     | MTU200895       | 38%      | 74.0%          | 42.2%            |
| SAU801701     | NGO100954       | 44%      | 90.2%          | 89.7%            |
| SAU801701     | NME200815       | 44%      | 90.5%          | 90%              |
| SAU801701     | PMU100636       | 47%      | 90.5%          | 85.9%            |
| SAU801701     | PRT103138       | 29%      | 29.5%          | 70.2%            |
| SAU801701     | PRT100424       | 46%      | 91.6%          | 82.5%            |
| SAU801701     | PAE203110       | 45%      | 90.9%          | 90.3%            |
| SAU801701     | PPU105860       | 45%      | 90.2%          | 87.5%            |
| SAU801701     | PSY101722       | 44%      | 90.2%          | 85.0%            |
| SAU801701     | SPA100127       | 43%      | 47.7%          | 61.8%            |
| SAU801701     | STY101011       | 46%      | 91.6%          | 86.8%            |
| SAU801701     | SAU801701       | 100%     | 100%           | 100%             |
| SAU801701     | SEP201705       | 90%      | 99.6%          | 99.6%            |
| SAU801701     | SHA100922       | 88%      | 100%           | 99.3%            |
| SAU801701     | SMU100531       | 50%      | 95.1%          | 96.9%            |
| SAU801701     | SPN400386       | 48%      | 95.4%          | 96.9%            |
| SAU801701     | SPY201343       | 47%      | 95.1%          | 96.9%            |
| SAU801701     | VCH100983       | 46%      | 91.6%          | 85.7%            |
| SAU801701     | YPS002401       | 46%      | 91.6%          | 86.8%            |
| SAU801703     | ABA101411       | 32%      | 91.1%          | 87.3%            |
| SAU801703     | BAN112326       | 40%      | 93.0%          | 92.9%            |
| SAU801703     | BFR102018       | 32%      | 71.5%          | 61.8%            |
| SAU801703     | BPT101552       | 31%      | 94.5%          | 93.1%            |
| SAU801703     | BBU100578       | 33%      | 98.2%          | 96.8%            |
| SAU801703     | BCE115231       | 33%      | 90.6%          | 88.1%            |
| SAU801703     | BFU107633       | 33%      | 90.6%          | 86.9%            |
| SAU801703     | BMA101634       | 33%      | 90.6%          | 88.3%            |
| SAU801703     | CJU100668       | 36%      | 8.8%           | 11.4%            |
| SAU801703     | CPN200079       | 35%      | 10.0%          | 15.6%            |
| SAU801703     | CTR200821       | 31%      | 94.2%          | 91.0%            |
| SAU801703     | CAC103161       | 35%      | 91.9%          | 91.9%            |
| SAU801703     | CBO100607       | 32%      | 99.7%          | 99.3%            |
| SAU801703     | CBO101196       | 32%      | 99.6%          | 98.7%            |
| SAU801703     | CDF101163       | 35%      | 92.4%          | 90.7%            |
| SAU801703     | CDP101233       | 36%      | 14.1%          | 16.2%            |
| SAU801703     | EBC102553       | 32%      | 93.8%          | 93.0%            |
| SAU801703     | EFA202115       | 37%      | 97.0%          | 96.8%            |
| SAU801703     | EFM200294       | 38%      | 91.1%          | 90.8%            |
| SAU801703     | ECO100184       | 33%      | 93.8%          | 93.0%            |
| SAU801703     | HIN100720       | 32%      | 93.8%          | 92.9%            |
| SAU801703     | HPY101439       | 30%      | 93.4%          | 91.7%            |
| SAU801703     | KPN301922       | 32%      | 93.8%          | 93.0%            |
| SAU801703     | LPN102982       | 33%      | 97.5%          | 97.0%            |
| SAU801703     | LMO100629       | 40%      | 95.8%          | 97.4%            |
| SAU801703     | MCA102321       | 33%      | 83.2%          | 81.0%            |
| SAU801703     | MAV103371       | 32%      | 92.0%          | 92.1%            |
| SAU801703     | MBV102577       | 31%      | 92.0%          | 93.1%            |
| SAU801703     | MLP100747       | 32%      | 92.0%          | 92.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801703     | MTU201526       | 31%      | 92.0%          | 91.8%            |
| SAU801703     | MGE100266       | 31%      | 77.2%          | 95.5%            |
| SAU801703     | MPN100459       | 33%      | 72.3%          | 89.2%            |
| SAU801703     | NGO101860       | 31%      | 92.8%          | 92.4%            |
| SAU801703     | NME200585       | 32%      | 92.8%          | 92.4%            |
| SAU801703     | PMU100034       | 32%      | 93.8%          | 92.9%            |
| SAU801703     | PRT101242       | 33%      | 92.0%          | 92.9%            |
| SAU801703     | PAE203638       | 32%      | 90.6%          | 90.5%            |
| SAU801703     | PPU100137       | 32%      | 93.9%          | 93.4%            |
| SAU801703     | PSY104339       | 31%      | 90.6%          | 90.5%            |
| SAU801703     | SPA100912       | 31%      | 93.8%          | 93.7%            |
| SAU801703     | STY103914       | 33%      | 93.8%          | 93.0%            |
| SAU801703     | STM103627       | 33%      | 93.8%          | 93.0%            |
| SAU801703     | SAU801703       | 100%     | 100%           | 100%             |
| SAU801703     | SEP201707       | 70%      | 100%           | 100%             |
| SAU801703     | SHA100359       | 68%      | 99.7%          | 97.1%            |
| SAU801703     | SMU101018       | 33%      | 92.8%          | 93.5%            |
| SAU801703     | SPN400795       | 34%      | 92.4%          | 92.3%            |
| SAU801703     | SPY200987       | 34%      | 92.4%          | 93.1%            |
| SAU801703     | TPA100661       | 34%      | 93.7%          | 90.8%            |
| SAU801703     | UUR100419       | 35%      | 87.5%          | 94.8%            |
| SAU801703     | VCH102211       | 31%      | 94.5%          | 93.3%            |
| SAU801703     | YPS001155       | 33%      | 92.9%          | 91.5%            |
| SAU801712     | BAN110414       | 35%      | 96.8%          | 98.8%            |
| SAU801712     | EFA202191       | 33%      | 71.4%          | 95.6%            |
| SAU801712     | EFM201485       | 35%      | 80.3%          | 76.4%            |
| SAU801712     | HIN100304       | 26%      | 31.4%          | 40.7%            |
| SAU801712     | LMO102042       | 34%      | 99.0%          | 100%             |
| SAU801712     | PMU100985       | 25%      | 31.4%          | 40.7%            |
| SAU801712     | PAE201895       | 23%      | 30.2%          | 21.1%            |
| SAU801712     | SAU801712       | 100%     | 100%           | 100%             |
| SAU801712     | SEP201729       | 83%      | 100%           | 100%             |
| SAU801712     | SHA100433       | 82%      | 100%           | 100%             |
| SAU801712     | SMU100537       | 30%      | 94.3%          | 89.3%            |
| SAU801712     | SPN401853       | 35%      | 79.0%          | 77.0%            |
| SAU801712     | SPY200081       | 33%      | 82.2%          | 80.1%            |
| SAU801719     | ABA100128       | 47%      | 100%           | 100%             |
| SAU801719     | BAN103804       | 78%      | 100%           | 100%             |
| SAU801719     | BFR10425        | 48%      | 100%           | 100%             |
| SAU801719     | BPT100895       | 43%      | 100%           | 100%             |
| SAU801719     | BBU100614       | 39%      | 100%           | 98.6%            |
| SAU801719     | BCE103241       | 44%      | 100%           | 100%             |
| SAU801719     | BFU101595       | 44%      | 100%           | 100%             |
| SAU801719     | BMA100015       | 44%      | 100%           | 100%             |
| SAU801719     | CJU101500       | 46%      | 100%           | 100%             |
| SAU801719     | CPN200012       | 40%      | 99.5%          | 98.6%            |
| SAU801719     | CTR200903       | 43%      | 99.5%          | 98.6%            |
| SAU801719     | CAC102218       | 42%      | 100%           | 100%             |
| SAU801719     | CBO101434       | 44%      | 100%           | 100%             |
| SAU801719     | CDF103315       | 49%      | 86.5%          | 90.6%            |
| SAU801719     | CDP100020       | 50%      | 100%           | 100%             |
| SAU801719     | EBC103653       | 47%      | 100%           | 100%             |
| SAU801719     | EFA202012       | 66%      | 100%           | 99.0%            |
| SAU801719     | ECO103219       | 47%      | 100%           | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801719     | HIN100782       | 47%      | 100%           | 100%             |
| SAU801719     | HPY101276       | 47%      | 100%           | 100%             |
| SAU801719     | KPN300702       | 47%      | 100%           | 100%             |
| SAU801719     | LMO100680       | 75%      | 100%           | 100%             |
| SAU801719     | MCA100425       | 46%      | 100%           | 100%             |
| SAU801719     | MAV101010       | 48%      | 100%           | 100%             |
| SAU801719     | MBV100325       | 46%      | 100%           | 100%             |
| SAU801719     | MLP101195       | 47%      | 100%           | 100%             |
| SAU801719     | MTU203411       | 46%      | 100%           | 100%             |
| SAU801719     | MGE100317       | 42%      | 99%            | 98.0%            |
| SAU801719     | MPN100395       | 44%      | 99%            | 98.0%            |
| SAU801719     | NGO100887       | 47%      | 100%           | 100%             |
| SAU801719     | NME200098       | 47%      | 100%           | 100%             |
| SAU801719     | PMU101391       | 48%      | 100%           | 100%             |
| SAU801719     | PRT104446       | 48%      | 100%           | 100%             |
| SAU801719     | PAE204237       | 46%      | 100%           | 100%             |
| SAU801719     | PPU108168       | 47%      | 100%           | 100%             |
| SAU801719     | PSY107923       | 42%      | 100%           | 100%             |
| SAU801719     | SPA104316       | 47%      | 100%           | 100%             |
| SAU801719     | STY101827       | 47%      | 100%           | 100%             |
| SAU801719     | SAU801719       | 100%     | 100%           | 100%             |
| SAU801719     | SEP201745       | 93%      | 100%           | 100%             |
| SAU801719     | SHA100142       | 92%      | 100%           | 100%             |
| SAU801719     | SMU101344       | 66%      | 100%           | 99.0%            |
| SAU801719     | SPN400078       | 65%      | 100%           | 99.0%            |
| SAU801719     | SPY201664       | 65%      | 100%           | 99.0%            |
| SAU801719     | TPA100303       | 41%      | 94%            | 94.6%            |
| SAU801719     | UUR100503       | 48%      | 100%           | 99.0%            |
| SAU801719     | VCH102535       | 47%      | 100%           | 100%             |
| SAU801719     | YPS002492       | 45%      | 100%           | 100%             |
| SAU801722     | BFU111473       | 28%      | 73.0%          | 55.5%            |
| SAU801722     | KPN305062       | 23%      | 86.5%          | 88.8%            |
| SAU801722     | SAU801722       | 100%     | 100%           | 100%             |
| SAU801722     | SEP201747       | 65%      | 96.6%          | 97.9%            |
| SAU801722     | SHA101468       | 65%      | 90.5%          | 100%             |
| SAU801723     | ABA103811       | 23%      | 93.0%          | 91.1%            |
| SAU801723     | BAN112134       | 22%      | 77.9%          | 82.1%            |
| SAU801723     | BAN108173       | 23%      | 91.2%          | 96.4%            |
| SAU801723     | BFR11044        | 24%      | 91.2%          | 97.5%            |
| SAU801723     | BCE109919       | 27%      | 89.4%          | 96.3%            |
| SAU801723     | BFU103313       | 28%      | 86.5%          | 90.2%            |
| SAU801723     | BMA103073       | 28%      | 89.4%          | 96.3%            |
| SAU801723     | CAC101326       | 28%      | 91.9%          | 98.3%            |
| SAU801723     | CBO103823       | 29%      | 91.9%          | 98.0%            |
| SAU801723     | CDF100905       | 29%      | 91.9%          | 97.8%            |
| SAU801723     | EBC100388       | 22%      | 53.0%          | 98.0%            |
| SAU801723     | EFA202078       | 25%      | 95.8%          | 96.5%            |
| SAU801723     | EFM101508       | 25%      | 49.6%          | 96.0%            |
| SAU801723     | ECO100882       | 22%      | 50.6%          | 55.0%            |
| SAU801723     | HPY100724       | 31%      | 92.7%          | 94.0%            |
| SAU801723     | KPN302433       | 23%      | 92.7%          | 90.8%            |
| SAU801723     | MCA100242       | 26%      | 53.2%          | 56%              |
| SAU801723     | PRT102617       | 21%      | 71.4%          | 76.0%            |
| SAU801723     | PAE201309       | 23%      | 69.6%          | 71.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801723     | PPU111438       | 22%      | 93.0%          | 97.3%            |
| SAU801723     | SPA103653       | 26%      | 77.1%          | 81.2%            |
| SAU801723     | STY100702       | 24%      | 91.2%          | 96.2%            |
| SAU801723     | STM100412       | 25%      | 91.2%          | 96.2%            |
| SAU801723     | SAU801723       | 100%     | 100%           | 100%             |
| SAU801723     | SEP201749       | 75%      | 99.7%          | 100%             |
| SAU801723     | SHA100581       | 70%      | 99.2%          | 99.2%            |
| SAU801723     | SMU101221       | 20%      | 44.9%          | 52.9%            |
| SAU801723     | VCH100387       | 28%      | 87.5%          | 91.7%            |
| SAU801723     | YPS001257       | 23%      | 50.6%          | 54.8%            |
| SAU801726     | EBC101577       | 48%      | 98.8%          | 100%             |
| SAU801726     | EFA201939       | 51%      | 99.6%          | 72.6%            |
| SAU801726     | EFM200960       | 51%      | 99.6%          | 72.7%            |
| SAU801726     | KPN100130       | 42%      | 65.4%          | 98.4%            |
| SAU801726     | PMU100876       | 49%      | 99.4%          | 98.8%            |
| SAU801726     | PRT101158       | 48%      | 98.0%          | 71.2%            |
| SAU801726     | SAU801726       | 100%     | 100%           | 100%             |
| SAU801726     | SEP202071       | 77%      | 100%           | 99.8%            |
| SAU801726     | SHA100570       | 76%      | 100%           | 100%             |
| SAU801726     | YPS001239       | 48%      | 98.0%          | 71.5%            |
| SAU801727     | ABA100079       | 26%      | 70.7%          | 77.9%            |
| SAU801727     | BAN103991       | 44%      | 80%            | 83.2%            |
| SAU801727     | BAN111056       | 44%      | 96.6%          | 97.5%            |
| SAU801727     | BFR105109       | 25%      | 62.4%          | 46.1%            |
| SAU801727     | BPT101209       | 24%      | 73.7%          | 64.9%            |
| SAU801727     | BBU100037       | 24%      | 82.9%          | 72%              |
| SAU801727     | BCE112943       | 25%      | 67.8%          | 27.5%            |
| SAU801727     | BFU101555       | 27%      | 77.1%          | 64.7%            |
| SAU801727     | BMA102538       | 29%      | 78.0%          | 63.7%            |
| SAU801727     | CJU100479       | 25%      | 56.1%          | 50.9%            |
| SAU801727     | CPN200177       | 23%      | 93.2%          | 92.5%            |
| SAU801727     | CTR200728       | 24%      | 78.5%          | 78.2%            |
| SAU801727     | CAC103311       | 25%      | 96.1%          | 83.8%            |
| SAU801727     | CBO103145       | 25%      | 88.3%          | 77.5%            |
| SAU801727     | CDF100095       | 34%      | 81.0%          | 82.3%            |
| SAU801727     | CDP101961       | 30%      | 73.2%          | 24.9%            |
| SAU801727     | EBC100878       | 23%      | 81.0%          | 70.1%            |
| SAU801727     | EFA200862       | 34%      | 91.2%          | 93.8%            |
| SAU801727     | EFM200018       | 33%      | 96.6%          | 88.6%            |
| SAU801727     | ECO102952       | 23%      | 81.0%          | 69.8%            |
| SAU801727     | HIN100714       | 26%      | 83.4%          | 75%              |
| SAU801727     | HPY101330       | 32%      | 62.4%          | 54.2%            |
| SAU801727     | KPN305544       | 25%      | 55.1%          | 49.0%            |
| SAU801727     | LPN102983       | 30%      | 79.0%          | 69.5%            |
| SAU801727     | LMO100144       | 41%      | 97.1%          | 97.0%            |
| SAU801727     | MAV103253       | 25%      | 72.7%          | 60%              |
| SAU801727     | MBV105256       | 31%      | 62.4%          | 51.0%            |
| SAU801727     | MLP100059       | 25%      | 72.7%          | 59.5%            |
| SAU801727     | MTU203761       | 31%      | 62.4%          | 51.0%            |
| SAU801727     | MGE100216       | 25%      | 63.4%          | 53.0%            |
| SAU801727     | MPN100537       | 22%      | 70.2%          | 56.0%            |
| SAU801727     | NGO100013       | 30%      | 65.9%          | 55.5%            |
| SAU801727     | NME200377       | 31%      | 69.3%          | 58.3%            |
| SAU801727     | PMU102001       | 22%      | 73.2%          | 76.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801727     | PRT101005       | 25%      | 86.8%          | 75.1%            |
| SAU801727     | PAE200005       | 29%      | 59.5%          | 47.9%            |
| SAU801727     | PPU103632       | 25%      | 71.7%          | 59.4%            |
| SAU801727     | PSY103533       | 29%      | 70.2%          | 58.2%            |
| SAU801727     | SPA103206       | 25%      | 46.3%          | 95.1%            |
| SAU801727     | STY100460       | 23%      | 81.0%          | 69.8%            |
| SAU801727     | SAU801727       | 100%     | 100%           | 100%             |
| SAU801727     | SEP202072       | 80%      | 100%           | 99.0%            |
| SAU801727     | SHA100569       | 80%      | 100%           | 99.0%            |
| SAU801727     | SMU100763       | 32%      | 96.1%          | 78%              |
| SAU801727     | SPN401464       | 34%      | 95.6%          | 73.5%            |
| SAU801727     | SPY201080       | 32%      | 96.1%          | 71.7%            |
| SAU801727     | VCH101936       | 26%      | 66.8%          | 22.7%            |
| SAU801727     | YPS002560       | 28%      | 63.9%          | 62.9%            |
| SAU801729     | ABA100977       | 27%      | 94.0%          | 92.2%            |
| SAU801729     | BAN112022       | 61%      | 98.8%          | 99.5%            |
| SAU801729     | BFR102131       | 47%      | 98.1%          | 98.6%            |
| SAU801729     | BPT102833       | 27%      | 90.5%          | 86.8%            |
| SAU801729     | BBU100369       | 40%      | 98.8%          | 99.3%            |
| SAU801729     | BCE105055       | 26%      | 94.5%          | 93.2%            |
| SAU801729     | BFU103526       | 26%      | 90.5%          | 85.1%            |
| SAU801729     | BMA103960       | 27%      | 94.5%          | 81.4%            |
| SAU801729     | CJU101196       | 26%      | 94.0%          | 93.8%            |
| SAU801729     | CPN200392       | 39%      | 90.7%          | 91.7%            |
| SAU801729     | CTR200327       | 39%      | 97.4%          | 97.6%            |
| SAU801729     | CAC102127       | 43%      | 99.3%          | 99.3%            |
| SAU801729     | CBO100352       | 46%      | 98.6%          | 98.5%            |
| SAU801729     | CDF100316       | 26%      | 94.3%          | 97.7%            |
| SAU801729     | CDP101017       | 44%      | 98.8%          | 99.0%            |
| SAU801729     | EBC101794       | 48%      | 98.3%          | 98.1%            |
| SAU801729     | EFA201026       | 58%      | 99.8%          | 100%             |
| SAU801729     | EFM101163       | 56%      | 98.1%          | 98.3%            |
| SAU801729     | ECO101607       | 48%      | 98.3%          | 98.1%            |
| SAU801729     | HIN101577       | 28%      | 98.8%          | 96.8%            |
| SAU801729     | HPY100761       | 28%      | 94.0%          | 93.5%            |
| SAU801729     | KPN300735       | 41%      | 83.3%          | 99.2%            |
| SAU801729     | LPN101252       | 27%      | 91.2%          | 89.8%            |
| SAU801729     | LMO100615       | 59%      | 99.0%          | 99.5%            |
| SAU801729     | MCA103163       | 27%      | 96.7%          | 94.6%            |
| SAU801729     | MAV104042       | 44%      | 98.1%          | 98.1%            |
| SAU801729     | MBV103086       | 43%      | 97.4%          | 97.9%            |
| SAU801729     | MLP100838       | 44%      | 98.1%          | 98.1%            |
| SAU801729     | MTU201668       | 43%      | 98.1%          | 97.9%            |
| SAU801729     | MGE100464       | 34%      | 99.3%          | 96.1%            |
| SAU801729     | MPN100173       | 36%      | 99.3%          | 98.2%            |
| SAU801729     | NGO101762       | 48%      | 98.3%          | 98.8%            |
| SAU801729     | NME200576       | 49%      | 98.3%          | 98.8%            |
| SAU801729     | PMU100755       | 28%      | 98.8%          | 98.2%            |
| SAU801729     | PRT103206       | 48%      | 92.9%          | 98.5%            |
| SAU801729     | PAE204135       | 39%      | 97.6%          | 96.1%            |
| SAU801729     | PPU102660       | 30%      | 88.8%          | 89.0%            |
| SAU801729     | PSY103333       | 31%      | 86.2%          | 85.4%            |
| SAU801729     | SPA102382       | 48%      | 98.3%          | 99.0%            |
| SAU801729     | STY100579       | 48%      | 98.3%          | 98.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801729     | STM104067       | 48%      | 98.3%          | 98.1%            |
| SAU801729     | SAU801729       | 100%     | 100%           | 100%             |
| SAU801729     | SEP202075       | 89%      | 100%           | 99.8%            |
| SAU801729     | SHA101242       | 86%      | 100%           | 100%             |
| SAU801729     | SMU100562       | 55%      | 98.8%          | 99.5%            |
| SAU801729     | SPN401907       | 52%      | 98.8%          | 99.5%            |
| SAU801729     | SPY200069       | 55%      | 98.8%          | 99.5%            |
| SAU801729     | TPA100825       | 38%      | 97.9%          | 95.4%            |
| SAU801729     | UUR100116       | 44%      | 98.3%          | 98.1%            |
| SAU801729     | VCH100460       | 49%      | 99.0%          | 96.1%            |
| SAU801729     | YPS002930       | 48%      | 98.8%          | 98.6%            |
| SAU801731     | BAN111612       | 27%      | 13.2%          | 11.7%            |
| SAU801731     | BAN104612       | 23%      | 20.1%          | 70.9%            |
| SAU801731     | BAN104171       | 27%      | 11.2%          | 68.4%            |
| SAU801731     | BAN109296       | 23%      | 29.2%          | 47.3%            |
| SAU801731     | CAC102751       | 23%      | 22.3%          | 33.1%            |
| SAU801731     | LMO100495       | 23%      | 59.6%          | 62.7%            |
| SAU801731     | SAU801129       | 42%      | 0.7%           | 37.1%            |
| SAU801731     | SAU801731       | 100%     | 100%           | 100%             |
| SAU801731     | SMU100069       | 26%      | 10.2%          | 13.5%            |
| SAU801733     | ABA104697       | 39%      | 97.4%          | 90.0%            |
| SAU801733     | BAN107191       | 68%      | 100%           | 99.8%            |
| SAU801733     | BPT101744       | 36%      | 94.2%          | 87.1%            |
| SAU801733     | BCE108358       | 31%      | 8.1%           | 38.2%            |
| SAU801733     | BCE107626       | 38%      | 91.7%          | 81.5%            |
| SAU801733     | BFU102771       | 37%      | 94.2%          | 87.3%            |
| SAU801733     | BMA105405       | 39%      | 91.7%          | 85%              |
| SAU801733     | CJU101446       | 37%      | 95.2%          | 88.0%            |
| SAU801733     | EBC104475       | 39%      | 97.4%          | 86.1%            |
| SAU801733     | ECO103963       | 38%      | 99.3%          | 90.6%            |
| SAU801733     | HPY101028       | 37%      | 94.2%          | 86.7%            |
| SAU801733     | KPN304710       | 38%      | 99.3%          | 91.2%            |
| SAU801733     | LPN103537       | 38%      | 91.2%          | 86.4%            |
| SAU801733     | MAV102747       | 38%      | 95.4%          | 88.8%            |
| SAU801733     | MBV104988       | 38%      | 95.4%          | 89.2%            |
| SAU801733     | MTU203613       | 38%      | 95.4%          | 89.2%            |
| SAU801733     | PMU100692       | 39%      | 94.2%          | 87.1%            |
| SAU801733     | PRT105882       | 37%      | 93.7%          | 84.1%            |
| SAU801733     | PAE204729       | 40%      | 93.8%          | 87.3%            |
| SAU801733     | PPU108448       | 36%      | 95.2%          | 89.6%            |
| SAU801733     | PSY103165       | 38%      | 93.7%          | 90.2%            |
| SAU801733     | SPA101860       | 35%      | 99.3%          | 91.5%            |
| SAU801733     | STY102326       | 37%      | 99.3%          | 90.6%            |
| SAU801733     | STM104274       | 28%      | 93.8%          | 90.8%            |
| SAU801733     | SAU801733       | 100%     | 100%           | 100%             |
| SAU801733     | SHA101238       | 83%      | 100%           | 99.8%            |
| SAU801733     | VCH100294       | 37%      | 93.7%          | 84.7%            |
| SAU801733     | YPS002593       | 38%      | 98.6%          | 91.0%            |
| SAU801738     | ABA106084       | 26%      | 79.9%          | 39.5%            |
| SAU801738     | BCE103763       | 21%      | 53.5%          | 73.2%            |
| SAU801738     | BFU115601       | 24%      | 43.8%          | 28.5%            |
| SAU801738     | CJU101364       | 29%      | 42.9%          | 51.9%            |
| SAU801738     | CTR200035       | 22%      | 83.8%          | 24.6%            |
| SAU801738     | EBC102124       | 26%      | 72.6%          | 60.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801738     | ECO100722       | 28%      | 76.1%          | 60.6%            |
| SAU801738     | HPY100318       | 22%      | 88.3%          | 34.1%            |
| SAU801738     | KPN300668       | 29%      | 35.8%          | 60.4%            |
| SAU801738     | MCA101042       | 18%      | 72.1%          | 92.1%            |
| SAU801738     | MAV108037       | 27%      | 31.0%          | 47.2%            |
| SAU801738     | MAV100245       | 25%      | 41.2%          | 56.0%            |
| SAU801738     | NGO101025       | 22%      | 23.5%          | 77.5%            |
| SAU801738     | PMU100968       | 26%      | 86.1%          | 36.2%            |
| SAU801738     | PAE200970       | 23%      | 81.4%          | 47.6%            |
| SAU801738     | PPU108649       | 28%      | 88.1%          | 40.1%            |
| SAU801738     | PSY105487       | 24%      | 82.7%          | 58.0%            |
| SAU801738     | SPA100196       | 27%      | 86.3%          | 62.8%            |
| SAU801738     | STY101950       | 26%      | 87.2%          | 60.4%            |
| SAU801738     | STM101679       | 27%      | 85.2%          | 57.2%            |
| SAU801738     | SAU801738       | 100%     | 100%           | 100%             |
| SAU801738     | SEP202090       | 34%      | 94.7%          | 92.4%            |
| SAU801738     | SHA103272       | 46%      | 21.2%          | 36.5%            |
| SAU801738     | SPN400121       | 23%      | 69.9%          | 23.9%            |
| SAU801738     | SPN401992       | 21%      | 79.9%          | 61.3%            |
| SAU801738     | TPA100466       | 23%      | 26.1%          | 66.7%            |
| SAU801738     | VCH101807       | 23%      | 40.7%          | 57.3%            |
| SAU801738     | YPS002074       | 26%      | 73.9%          | 49.5%            |
| SAU801740     | ABA100629       | 33%      | 95.7%          | 92.1%            |
| SAU801740     | BAN108290       | 64%      | 98.6%          | 98.9%            |
| SAU801740     | BFR104492       | 27%      | 96.3%          | 98.7%            |
| SAU801740     | BPT102999       | 32%      | 96.1%          | 96.8%            |
| SAU801740     | BBU100816       | 32%      | 86.3%          | 85.9%            |
| SAU801740     | BCE114835       | 30%      | 95.7%          | 95.5%            |
| SAU801740     | BFU100404       | 30%      | 92.4%          | 97.1%            |
| SAU801740     | BMA107598       | 31%      | 95.7%          | 95.5%            |
| SAU801740     | CJU100982       | 29%      | 99.5%          | 99.5%            |
| SAU801740     | CTR200138       | 29%      | 97.5%          | 52.3%            |
| SAU801740     | CAC101140       | 33%      | 97.5%          | 97.2%            |
| SAU801740     | CBO102681       | 34%      | 97.7%          | 96.7%            |
| SAU801740     | CDF104436       | 33%      | 97.5%          | 99.3%            |
| SAU801740     | CDP101264       | 29%      | 98.6%          | 98.1%            |
| SAU801740     | EBC101801       | 28%      | 96.3%          | 91.9%            |
| SAU801740     | EFA202282       | 61%      | 97.0%          | 95.5%            |
| SAU801740     | EFM200546       | 60%      | 97.0%          | 95.7%            |
| SAU801740     | ECO100091       | 29%      | 96.3%          | 91.9%            |
| SAU801740     | HIN101113       | 28%      | 95.9%          | 93.5%            |
| SAU801740     | HPY100615       | 29%      | 95.2%          | 94.4%            |
| SAU801740     | KPN301848       | 29%      | 96.3%          | 91.9%            |
| SAU801740     | LPN102520       | 33%      | 95.9%          | 94.5%            |
| SAU801740     | LMO102778       | 59%      | 97.7%          | 95.5%            |
| SAU801740     | MCA100897       | 32%      | 96.6%          | 90.9%            |
| SAU801740     | MAV103971       | 30%      | 61.3%          | 86.7%            |
| SAU801740     | MBV100529       | 28%      | 98.4%          | 94.7%            |
| SAU801740     | MLP100570       | 29%      | 95.2%          | 91.9%            |
| SAU801740     | MTU202118       | 28%      | 98.4%          | 94.7%            |
| SAU801740     | NGO100584       | 31%      | 98.2%          | 97.9%            |
| SAU801740     | NME201905       | 32%      | 98.2%          | 90.7%            |
| SAU801740     | PMU100143       | 28%      | 95.9%          | 92.1%            |
| SAU801740     | PRT102633       | 29%      | 96.3%          | 92.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801740     | PAE204409       | 32%      | 96.6%          | 91.2%            |
| SAU801740     | PPU111777       | 33%      | 96.6%          | 90.9%            |
| SAU801740     | PSY103843       | 33%      | 96.6%          | 91.4%            |
| SAU801740     | SPA101847       | 27%      | 98.2%          | 96.0%            |
| SAU801740     | STY103177       | 27%      | 98.9%          | 93.9%            |
| SAU801740     | STM102889       | 27%      | 98.9%          | 93.9%            |
| SAU801740     | SAU801740       | 100%     | 100%           | 100%             |
| SAU801740     | SEP202092       | 84%      | 100%           | 100%             |
| SAU801740     | SHA100218       | 80%      | 56.3%          | 100%             |
| SAU801740     | SMU100523       | 50%      | 97.7%          | 97.1%            |
| SAU801740     | SPN401372       | 49%      | 97.0%          | 96.4%            |
| SAU801740     | SPY200251       | 50%      | 97.9%          | 97.3%            |
| SAU801740     | TPA100337       | 29%      | 85.1%          | 82.7%            |
| SAU801740     | VCH102365       | 29%      | 95.9%          | 87.7%            |
| SAU801740     | YPS001016       | 28%      | 96.3%          | 91.9%            |
| SAU801741     | ABA100229       | 33%      | 57.5%          | 81.4%            |
| SAU801741     | BAN106567       | 33%      | 99.5%          | 99.8%            |
| SAU801741     | BCE110599       | 42%      | 38.9%          | 96.3%            |
| SAU801741     | BFU105081       | 43%      | 36.7%          | 36.5%            |
| SAU801741     | BMA101290       | 45%      | 35.2%          | 86.1%            |
| SAU801741     | CJU100817       | 33%      | 65.9%          | 82.8%            |
| SAU801741     | EBC100487       | 38%      | 36.7%          | 64.3%            |
| SAU801741     | ECO100865       | 38%      | 45.9%          | 48.8%            |
| SAU801741     | HIN101559       | 45%      | 36.0%          | 92.8%            |
| SAU801741     | HPY101073       | 39%      | 41.6%          | 64.9%            |
| SAU801741     | KPN100639       | 46%      | 25.0%          | 99.4%            |
| SAU801741     | LPN100195       | 41%      | 39.5%          | 71.8%            |
| SAU801741     | LMO102204       | 45%      | 56.3%          | 96.8%            |
| SAU801741     | MCA100556       | 43%      | 35.2%          | 99.4%            |
| SAU801741     | PMU100255       | 35%      | 53.1%          | 78.2%            |
| SAU801741     | PRT100386       | 34%      | 55.6%          | 85.9%            |
| SAU801741     | SPA103466       | 44%      | 36.3%          | 97.1%            |
| SAU801741     | STY102893       | 41%      | 40.4%          | 41.3%            |
| SAU801741     | STM102713       | 38%      | 45.1%          | 45.4%            |
| SAU801741     | SAU801741       | 100%     | 100%           | 100%             |
| SAU801741     | SEP202093       | 54%      | 100%           | 100%             |
| SAU801741     | SHA101435       | 51%      | 100%           | 100%             |
| SAU801741     | VCH101873       | 40%      | 43.6%          | 66.1%            |
| SAU801742     | BAN102341       | 53%      | 99.0%          | 97.5%            |
| SAU801742     | EFA202054       | 46%      | 97.0%          | 96.1%            |
| SAU801742     | EFM200975       | 56%      | 74.2%          | 96.1%            |
| SAU801742     | LMO100772       | 53%      | 99.0%          | 97.1%            |
| SAU801742     | MGE100458       | 42%      | 63.1%          | 85.4%            |
| SAU801742     | MPN100179       | 35%      | 89.4%          | 76.1%            |
| SAU801742     | SAU801742       | 100%     | 100%           | 100%             |
| SAU801742     | SEP202095       | 76%      | 100%           | 100%             |
| SAU801742     | SHA101433       | 77%      | 100%           | 100%             |
| SAU801742     | SMU100522       | 42%      | 97.0%          | 94.2%            |
| SAU801742     | SPN401724       | 40%      | 97.0%          | 94.2%            |
| SAU801742     | SPY101819       | 41%      | 97.0%          | 94.2%            |
| SAU801742     | UUR100192       | 30%      | 99.0%          | 96.4%            |
| SAU801749     | BAN106147       | 46%      | 98.5%          | 97.7%            |
| SAU801749     | BFU115607       | 25%      | 21.3%          | 15.8%            |
| SAU801749     | BMA109525       | 38%      | 20.5%          | 15.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801749     | CBO101598       | 22%      | 43.0%          | 38.3%            |
| SAU801749     | EFA201131       | 40%      | 89.0%          | 90.7%            |
| SAU801749     | EFM202567       | 39%      | 95.1%          | 96.2%            |
| SAU801749     | HIN101506       | 28%      | 33.1%          | 35.2%            |
| SAU801749     | LPN101017       | 18%      | 45.2%          | 40.3%            |
| SAU801749     | LMO101148       | 44%      | 87.5%          | 88.5%            |
| SAU801749     | MAV102537       | 26%      | 34.6%          | 24.1%            |
| SAU801749     | MGE100366       | 18%      | 68.4%          | 57.5%            |
| SAU801749     | PPU110551       | 23%      | 45.2%          | 36.9%            |
| SAU801749     | PSY102492       | 30%      | 22.4%          | 17.2%            |
| SAU801749     | SAU801749       | 100%     | 100%           | 100%             |
| SAU801749     | SEP202110       | 89%      | 100%           | 100%             |
| SAU801749     | SHA101330       | 89%      | 100%           | 100%             |
| SAU801749     | SMU100768       | 30%      | 90.5%          | 91.9%            |
| SAU801749     | SPN400475       | 30%      | 90.5%          | 90.5%            |
| SAU801749     | SPY201327       | 31%      | 82.1%          | 82.5%            |
| SAU801749     | YPS003183       | 19%      | 77.9%          | 74.3%            |
| SAU801751     | BAN104199       | 42%      | 98.9%          | 99.1%            |
| SAU801751     | BFR100617       | 37%      | 14.9%          | 16.1%            |
| SAU801751     | CAC102647       | 36%      | 98.5%          | 98.5%            |
| SAU801751     | CBO100026       | 35%      | 98.1%          | 98.3%            |
| SAU801751     | CDF102762       | 35%      | 98.7%          | 97.1%            |
| SAU801751     | EFA201202       | 40%      | 98.9%          | 98.7%            |
| SAU801751     | EFM200248       | 36%      | 65.5%          | 98.4%            |
| SAU801751     | LMO100797       | 44%      | 98.9%          | 98.5%            |
| SAU801751     | PPU110017       | 24%      | 89.3%          | 76.0%            |
| SAU801751     | PSY104220       | 24%      | 96.6%          | 73.9%            |
| SAU801751     | SAU801751       | 100%     | 100%           | 100%             |
| SAU801751     | SEP202112       | 82%      | 100%           | 100%             |
| SAU801751     | SHA101328       | 82%      | 99.8%          | 99.8%            |
| SAU801751     | SMU100171       | 38%      | 98.9%          | 98.7%            |
| SAU801751     | SPN400547       | 39%      | 98.3%          | 97.9%            |
| SAU801751     | SPY200812       | 38%      | 98.9%          | 98.5%            |
| SAU801753     | ABA100431       | 35%      | 97.0%          | 96.6%            |
| SAU801753     | BAN104776       | 48%      | 98.7%          | 96.3%            |
| SAU801753     | BBU100128       | 28%      | 98.3%          | 92.4%            |
| SAU801753     | BCE110410       | 32%      | 98.7%          | 97.1%            |
| SAU801753     | BFU113278       | 33%      | 98.7%          | 89.3%            |
| SAU801753     | BMA108257       | 34%      | 98.7%          | 96.2%            |
| SAU801753     | CPN200986       | 36%      | 96.1%          | 94.0%            |
| SAU801753     | CTR200096       | 34%      | 97.8%          | 93.8%            |
| SAU801753     | CAC103133       | 48%      | 99.6%          | 97.5%            |
| SAU801753     | CBO100292       | 46%      | 98.3%          | 97.9%            |
| SAU801753     | CDF102819       | 48%      | 96.5%          | 95%              |
| SAU801753     | EBC102915       | 36%      | 97.0%          | 96.2%            |
| SAU801753     | EFA201204       | 47%      | 100%           | 98.0%            |
| SAU801753     | EFM200797       | 46%      | 100%           | 100%             |
| SAU801753     | ECO102142       | 37%      | 97.0%          | 97.8%            |
| SAU801753     | HIN101215       | 40%      | 98.7%          | 99.1%            |
| SAU801753     | KPN301779       | 37%      | 96.1%          | 93.7%            |
| SAU801753     | LMO101945       | 50%      | 100%           | 100%             |
| SAU801753     | MCA103178       | 35%      | 98.3%          | 99.6%            |
| SAU801753     | NGO100244       | 36%      | 95.2%          | 97.8%            |
| SAU801753     | NME201373       | 36%      | 95.2%          | 97.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801753     | PMU100003       | 38%      | 99.1%          | 99.6%            |
| SAU801753     | PRT101140       | 39%      | 99.1%          | 98.7%            |
| SAU801753     | PAE200732       | 35%      | 97.0%          | 98.3%            |
| SAU801753     | PPU103373       | 36%      | 97.0%          | 98.3%            |
| SAU801753     | PSY102334       | 36%      | 95.2%          | 96.5%            |
| SAU801753     | SPA100233       | 38%      | 97.0%          | 97.8%            |
| SAU801753     | STY104331       | 38%      | 97.0%          | 97.8%            |
| SAU801753     | SAU801753       | 100%     | 100%           | 100%             |
| SAU801753     | SEP202114       | 72%      | 98.7%          | 99.1%            |
| SAU801753     | SHA101326       | 70%      | 99.6%          | 100%             |
| SAU801753     | SMU100796       | 39%      | 99.6%          | 99.2%            |
| SAU801753     | SPN400256       | 46%      | 98.7%          | 97.9%            |
| SAU801753     | SPY201026       | 45%      | 98.7%          | 96.3%            |
| SAU801753     | VCH101608       | 40%      | 97.0%          | 97.4%            |
| SAU801753     | YPS000335       | 40%      | 97.0%          | 96.2%            |
| SAU801754     | ABA105833       | 19%      | 93.3%          | 96.1%            |
| SAU801754     | BAN113336       | 39%      | 76.7%          | 98.3%            |
| SAU801754     | BAN106207       | 39%      | 82.8%          | 97.6%            |
| SAU801754     | BAN104835       | 37%      | 99.3%          | 97.6%            |
| SAU801754     | BCE109401       | 18%      | 72.7%          | 70.2%            |
| SAU801754     | BFU100360       | 18%      | 72.7%          | 70.2%            |
| SAU801754     | BMA106132       | 17%      | 64.2%          | 51.7%            |
| SAU801754     | CAC101941       | 26%      | 94.4%          | 95.3%            |
| SAU801754     | CBO100125       | 25%      | 95.3%          | 97.3%            |
| SAU801754     | CDF100053       | 35%      | 13.4%          | 62.4%            |
| SAU801754     | CDF102528       | 25%      | 98.7%          | 96.3%            |
| SAU801754     | EBC101202       | 21%      | 38.9%          | 41.9%            |
| SAU801754     | EFA201206       | 28%      | 99.1%          | 97.1%            |
| SAU801754     | EFM200105       | 28%      | 99.5%          | 97.6%            |
| SAU801754     | ECO101042       | 20%      | 33.3%          | 35.6%            |
| SAU801754     | KPN302527       | 19%      | 38.9%          | 40.8%            |
| SAU801754     | LPN101130       | 18%      | 96.4%          | 95.3%            |
| SAU801754     | LMO100220       | 38%      | 99.3%          | 99.8%            |
| SAU801754     | MCA103523       | 18%      | 96.0%          | 98.1%            |
| SAU801754     | MAV108372       | 19%      | 30.7%          | 54.9%            |
| SAU801754     | NGO101881       | 17%      | 78.5%          | 77.9%            |
| SAU801754     | NME202045       | 18%      | 78.5%          | 77.9%            |
| SAU801754     | PMU101660       | 19%      | 84.8%          | 88.8%            |
| SAU801754     | PRT101541       | 21%      | 40.5%          | 43.8%            |
| SAU801754     | PAE204560       | 21%      | 40.5%          | 43.8%            |
| SAU801754     | PPU112503       | 19%      | 36.9%          | 38.9%            |
| SAU801754     | PSY102688       | 19%      | 36.9%          | 40.4%            |
| SAU801754     | SPA100422       | 21%      | 40.7%          | 41.9%            |
| SAU801754     | STY102506       | 20%      | 38.9%          | 43.1%            |
| SAU801754     | STM102672       | 20%      | 38.9%          | 40.8%            |
| SAU801754     | SAU801754       | 100%     | 100%           | 100%             |
| SAU801754     | SEP202115       | 83%      | 100%           | 100%             |
| SAU801754     | SHA101325       | 71%      | 100%           | 100%             |
| SAU801754     | SMU100383       | 26%      | 99.3%          | 98.2%            |
| SAU801754     | SPN401382       | 27%      | 99.1%          | 98.3%            |
| SAU801754     | SPY200284       | 27%      | 99.3%          | 98.2%            |
| SAU801754     | TPA100512       | 19%      | 66.5%          | 65.2%            |
| SAU801754     | VCH100667       | 18%      | 80.8%          | 81.0%            |
| SAU801755     | ABA103848       | 35%      | 79.3%          | 60.4%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801755     | BAN100407       | 63%      | 92.0%          | 68.6%            |
| SAU801755     | BPT101495       | 29%      | 80.6%          | 61.8%            |
| SAU801755     | BCE105916       | 29%      | 80.3%          | 61.1%            |
| SAU801755     | BFU102587       | 30%      | 80.3%          | 61.0%            |
| SAU801755     | BMA109065       | 28%      | 87.6%          | 65.8%            |
| SAU801755     | CAC101518       | 41%      | 86.6%          | 66.9%            |
| SAU801755     | CBO101797       | 38%      | 93.9%          | 70.3%            |
| SAU801755     | CDF102335       | 40%      | 90.8%          | 68.6%            |
| SAU801755     | EBC103756       | 30%      | 93.0%          | 89.7%            |
| SAU801755     | EFA202331       | 52%      | 89.2%          | 72.4%            |
| SAU801755     | EFM200487       | 46%      | 94.3%          | 70.7%            |
| SAU801755     | ECO103415       | 31%      | 93.0%          | 70%              |
| SAU801755     | HIN100912       | 30%      | 88.5%          | 65.8%            |
| SAU801755     | KPN306630       | 29%      | 93.0%          | 70.5%            |
| SAU801755     | LPN102418       | 32%      | 79.3%          | 82.5%            |
| SAU801755     | LMO100816       | 55%      | 94.6%          | 70.8%            |
| SAU801755     | MCA101549       | 35%      | 79.0%          | 60.1%            |
| SAU801755     | PMU100031       | 32%      | 79.3%          | 60.9%            |
| SAU801755     | PRT104499       | 30%      | 93.9%          | 70.6%            |
| SAU801755     | PAE200558       | 30%      | 79.3%          | 61.0%            |
| SAU801755     | PPU109267       | 35%      | 79.3%          | 61.1%            |
| SAU801755     | PSY103648       | 34%      | 79.3%          | 57.2%            |
| SAU801755     | SPA101798       | 30%      | 93.0%          | 70.4%            |
| SAU801755     | STY100869       | 30%      | 93.0%          | 70%              |
| SAU801755     | SAU801755       | 100%     | 100%           | 100%             |
| SAU801755     | SEP202116       | 75%      | 96.5%          | 70.8%            |
| SAU801755     | SHA101324       | 79%      | 95.5%          | 71.4%            |
| SAU801755     | SMU100726       | 40%      | 94.6%          | 71.5%            |
| SAU801755     | SPN400651       | 43%      | 89.2%          | 66.0%            |
| SAU801755     | SPY201435       | 43%      | 94.6%          | 71.7%            |
| SAU801755     | VCH100080       | 32%      | 93.0%          | 70.4%            |
| SAU801755     | YPS002475       | 31%      | 93.9%          | 71.1%            |
| SAU801758     | BPT101066       | 20%      | 20.8%          | 79.8%            |
| SAU801758     | MPN100367       | 18%      | 43.7%          | 86.2%            |
| SAU801758     | PMU101507       | 23%      | 15.8%          | 73.6%            |
| SAU801758     | SAU801758       | 100%     | 100%           | 100%             |
| SAU801758     | SEP202646       | 35%      | 99.6%          | 29.7%            |
| SAU801758     | SHA100633       | 28%      | 73.7%          | 83.4%            |
| SAU801758     | SHA100651       | 33%      | 12.8%          | 80.4%            |
| SAU801758     | SHA101983       | 28%      | 99.9%          | 40.6%            |
| SAU801758     | SHA101424       | 30%      | 82.9%          | 58.1%            |
| SAU801760     | ABA105508       | 41%      | 99.5%          | 98.9%            |
| SAU801760     | BAN102826       | 74%      | 99.9%          | 99.9%            |
| SAU801760     | BFR10298        | 45%      | 99.8%          | 99.9%            |
| SAU801760     | BPT102350       | 38%      | 99.5%          | 99.4%            |
| SAU801760     | BBU100250       | 52%      | 99.8%          | 99.6%            |
| SAU801760     | BCE103321       | 39%      | 98.9%          | 98.8%            |
| SAU801760     | BMA109061       | 39%      | 98.9%          | 93.5%            |
| SAU801760     | CJU101017       | 40%      | 100%           | 100%             |
| SAU801760     | CPN200606       | 50%      | 99.8%          | 99.9%            |
| SAU801760     | CTR200474       | 52%      | 99.8%          | 99.9%            |
| SAU801760     | CAC101070       | 48%      | 100%           | 100%             |
| SAU801760     | CBO100961       | 48%      | 99.9%          | 99.8%            |
| SAU801760     | CDF103555       | 48%      | 99.8%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801760     | CDP101454       | 45%      | 99.3%          | 97.2%            |
| SAU801760     | EBC100539       | 37%      | 53.0%          | 99.6%            |
| SAU801760     | EFA200538       | 72%      | 99.9%          | 99.9%            |
| SAU801760     | EFM200610       | 72%      | 99.9%          | 99.9%            |
| SAU801760     | ECO100632       | 42%      | 99.5%          | 99.3%            |
| SAU801760     | HIN100900       | 43%      | 99.8%          | 99.4%            |
| SAU801760     | HPY101524       | 40%      | 98.9%          | 99.1%            |
| SAU801760     | KPN300581       | 40%      | 13.9%          | 68.9%            |
| SAU801760     | KPN302684       | 42%      | 99.5%          | 99.5%            |
| SAU801760     | LPN103327       | 43%      | 99.5%          | 99.3%            |
| SAU801760     | LMO100611       | 69%      | 99.9%          | 99.9%            |
| SAU801760     | MCA102972       | 39%      | 99.6%          | 98.7%            |
| SAU801760     | MAV103767       | 44%      | 99.0%          | 94.3%            |
| SAU801760     | MBV104696       | 43%      | 99.0%          | 96.3%            |
| SAU801760     | MLP100028       | 43%      | 99.0%          | 96.5%            |
| SAU801760     | MTU200041       | 43%      | 99.0%          | 96.5%            |
| SAU801760     | MGE100272       | 44%      | 99.8%          | 99.7%            |
| SAU801760     | MPN100453       | 44%      | 99.8%          | 99.6%            |
| SAU801760     | NGO100059       | 41%      | 99.6%          | 99.3%            |
| SAU801760     | NME200518       | 39%      | 99.5%          | 99.5%            |
| SAU801760     | PMU101214       | 42%      | 99.8%          | 99.5%            |
| SAU801760     | PRT102887       | 42%      | 99.5%          | 99.3%            |
| SAU801760     | PAE203984       | 40%      | 99.6%          | 99.4%            |
| SAU801760     | PPU108817       | 41%      | 99.6%          | 99.4%            |
| SAU801760     | PSY105072       | 42%      | 99.6%          | 99.4%            |
| SAU801760     | SPA100430       | 46%      | 62.3%          | 97.8%            |
| SAU801760     | STY101466       | 42%      | 99.5%          | 99.3%            |
| SAU801760     | SAU801760       | 100%     | 100%           | 100%             |
| SAU801760     | SEP202121       | 87%      | 100%           | 100%             |
| SAU801760     | SHA100631       | 86%      | 100%           | 100%             |
| SAU801760     | SMU100492       | 65%      | 99.8%          | 99.6%            |
| SAU801760     | SPN400235       | 66%      | 99.8%          | 99.6%            |
| SAU801760     | SPY200128       | 65%      | 99.8%          | 99.6%            |
| SAU801760     | TPA100579       | 47%      | 99.8%          | 99.9%            |
| SAU801760     | UUR100373       | 53%      | 99.5%          | 99.8%            |
| SAU801760     | VCH100940       | 43%      | 99.6%          | 95.4%            |
| SAU801760     | YPS001199       | 41%      | 99.5%          | 99.3%            |
| SAU801769     | ABA104921       | 34%      | 93.6%          | 97.9%            |
| SAU801769     | BAN106809       | 47%      | 99.5%          | 99.2%            |
| SAU801769     | BAN107259       | 53%      | 99.5%          | 99.2%            |
| SAU801769     | BFR101499       | 44%      | 100%           | 98.3%            |
| SAU801769     | BPT100010       | 33%      | 91.6%          | 81.4%            |
| SAU801769     | BCE107847       | 38%      | 71.8%          | 76.5%            |
| SAU801769     | BCE114560       | 36%      | 89.6%          | 91.8%            |
| SAU801769     | BFU105494       | 36%      | 89.6%          | 92.3%            |
| SAU801769     | BMA104123       | 35%      | 89.6%          | 66.6%            |
| SAU801769     | CJU100533       | 36%      | 92.6%          | 98.2%            |
| SAU801769     | CPN200978       | 41%      | 99.0%          | 94.3%            |
| SAU801769     | CTR200104       | 44%      | 98.5%          | 92.5%            |
| SAU801769     | CAC101077       | 50%      | 99.7%          | 98.8%            |
| SAU801769     | CBO102459       | 53%      | 99.7%          | 98.5%            |
| SAU801769     | CDF101260       | 56%      | 99.5%          | 96.3%            |
| SAU801769     | CDP100293       | 42%      | 98.7%          | 90.4%            |
| SAU801769     | EBC103923       | 44%      | 50.1%          | 91.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801769     | ECO102975       | 44%      | 50.9%          | 92.6%            |
| SAU801769     | HIN100202       | 44%      | 48.3%          | 86.6%            |
| SAU801769     | HPY100791       | 35%      | 94.1%          | 100%             |
| SAU801769     | KPN306827       | 43%      | 50.9%          | 92.6%            |
| SAU801769     | LPN102962       | 45%      | 72.0%          | 97.3%            |
| SAU801769     | MCA101128       | 33%      | 93.9%          | 99.7%            |
| SAU801769     | MAV100813       | 46%      | 99.2%          | 91.6%            |
| SAU801769     | MBV102147       | 45%      | 99.2%          | 94.4%            |
| SAU801769     | MLP100345       | 45%      | 99.2%          | 92.2%            |
| SAU801769     | MTU201396       | 45%      | 99.2%          | 94.4%            |
| SAU801769     | NGO101214       | 35%      | 91.3%          | 78.4%            |
| SAU801769     | NME201304       | 36%      | 91.3%          | 96.1%            |
| SAU801769     | PMU101385       | 43%      | 49.6%          | 91.6%            |
| SAU801769     | PRT102178       | 44%      | 50.6%          | 92.2%            |
| SAU801769     | PAE204051       | 34%      | 93.1%          | 98.6%            |
| SAU801769     | PPU110431       | 35%      | 93.6%          | 97.9%            |
| SAU801769     | PSY102199       | 35%      | 93.6%          | 99.2%            |
| SAU801769     | SPA102485       | 43%      | 50.6%          | 91.7%            |
| SAU801769     | STY100768       | 43%      | 50.9%          | 92.6%            |
| SAU801769     | STM101319       | 48%      | 47.1%          | 95.9%            |
| SAU801769     | SAU801769       | 100%     | 100%           | 100%             |
| SAU801769     | SEP202140       | 75%      | 100%           | 100%             |
| SAU801769     | SHA101040       | 73%      | 100%           | 100%             |
| SAU801769     | SPN400162       | 49%      | 100%           | 98.8%            |
| SAU801769     | VCH102235       | 39%      | 90.6%          | 96.2%            |
| SAU801769     | YPS001985       | 45%      | 49.4%          | 89.9%            |
| SAU801770     | ABA101512       | 38%      | 93.8%          | 90.0%            |
| SAU801770     | BAN111761       | 44%      | 90.5%          | 91.4%            |
| SAU801770     | BAN112258       | 46%      | 92.9%          | 91.1%            |
| SAU801770     | BFR10686        | 33%      | 91.9%          | 98.5%            |
| SAU801770     | BPT102166       | 33%      | 87.1%          | 80.3%            |
| SAU801770     | BCE102163       | 39%      | 92.4%          | 96.2%            |
| SAU801770     | BFU114695       | 39%      | 93.8%          | 100%             |
| SAU801770     | BMA105732       | 35%      | 93.8%          | 100%             |
| SAU801770     | CJU101143       | 30%      | 100%           | 99.0%            |
| SAU801770     | CPN200217       | 30%      | 89.0%          | 92%              |
| SAU801770     | CTR200675       | 31%      | 89.0%          | 91.9%            |
| SAU801770     | CAC101867       | 40%      | 92.4%          | 90.1%            |
| SAU801770     | CBO100822       | 37%      | 100%           | 94.3%            |
| SAU801770     | CDF101262       | 40%      | 95.7%          | 91.0%            |
| SAU801770     | CDP100296       | 38%      | 91.9%          | 98.0%            |
| SAU801770     | EBC101113       | 34%      | 88.6%          | 42.1%            |
| SAU801770     | ECO101632       | 35%      | 88.6%          | 42.3%            |
| SAU801770     | HIN101580       | 33%      | 91.9%          | 97.5%            |
| SAU801770     | HPY101551       | 37%      | 93.8%          | 91.3%            |
| SAU801770     | KPN300802       | 34%      | 88.6%          | 63.8%            |
| SAU801770     | LPN103102       | 36%      | 91.9%          | 94.1%            |
| SAU801770     | MCA101660       | 35%      | 100%           | 99.1%            |
| SAU801770     | MAV100811       | 39%      | 92.9%          | 100%             |
| SAU801770     | MBV102153       | 41%      | 91.9%          | 98.0%            |
| SAU801770     | MLP100344       | 40%      | 91.9%          | 95.2%            |
| SAU801770     | MTU201393       | 41%      | 91.9%          | 98.0%            |
| SAU801770     | NGO100198       | 29%      | 87.1%          | 71.4%            |
| SAU801770     | NME201294       | 29%      | 87.1%          | 84.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801770     | PMU100650       | 31%      | 87.1%          | 90.7%            |
| SAU801770     | PRT102318       | 37%      | 87.1%          | 84.9%            |
| SAU801770     | PAE204052       | 37%      | 93.8%          | 90.4%            |
| SAU801770     | PPU104479       | 36%      | 93.8%          | 89.6%            |
| SAU801770     | PSY102201       | 37%      | 93.8%          | 90%              |
| SAU801770     | SPA100334       | 33%      | 39.5%          | 75%              |
| SAU801770     | STY100625       | 32%      | 88.6%          | 42.3%            |
| SAU801770     | STM104015       | 32%      | 88.6%          | 42.3%            |
| SAU801770     | SAU801770       | 100%     | 100%           | 100%             |
| SAU801770     | SEP202141       | 77%      | 100%           | 100%             |
| SAU801770     | SHA101041       | 68%      | 100%           | 100%             |
| SAU801770     | SPN400163       | 46%      | 100%           | 100%             |
| SAU801770     | VCH102236       | 38%      | 94.3%          | 91.7%            |
| SAU801770     | YPS002958       | 34%      | 88.6%          | 41.3%            |
| SAU801771     | ABA103798       | 36%      | 98.0%          | 98.0%            |
| SAU801771     | BAN112131       | 35%      | 98.0%          | 97.0%            |
| SAU801771     | BAN106315       | 40%      | 98.0%          | 94.9%            |
| SAU801771     | BFR10090        | 31%      | 87.3%          | 89.3%            |
| SAU801771     | BPT102814       | 33%      | 97.4%          | 90.9%            |
| SAU801771     | BCE111009       | 34%      | 89.0%          | 89.3%            |
| SAU801771     | BFU111851       | 34%      | 97.4%          | 87.1%            |
| SAU801771     | BMA106009       | 33%      | 89.0%          | 85.5%            |
| SAU801771     | CJU101528       | 27%      | 68.9%          | 77.4%            |
| SAU801771     | CPN200979       | 31%      | 97.7%          | 93.6%            |
| SAU801771     | CTR200103       | 29%      | 97.4%          | 88.4%            |
| SAU801771     | CAC102186       | 31%      | 94.2%          | 90.9%            |
| SAU801771     | CBO103939       | 32%      | 97.1%          | 93.1%            |
| SAU801771     | CDF101264       | 30%      | 97.1%          | 94.6%            |
| SAU801771     | CDP100306       | 32%      | 85.9%          | 78.1%            |
| SAU801771     | EBC101279       | 34%      | 87.3%          | 87.7%            |
| SAU801771     | EFM102196       | 24%      | 37.8%          | 100%             |
| SAU801771     | ECO100406       | 36%      | 87.3%          | 87.7%            |
| SAU801771     | HIN100923       | 34%      | 99.1%          | 96.8%            |
| SAU801771     | HPY101484       | 24%      | 56.2%          | 65.4%            |
| SAU801771     | KPN303443       | 35%      | 87.9%          | 88.3%            |
| SAU801771     | LPN101462       | 28%      | 91.9%          | 91.3%            |
| SAU801771     | MCA103171       | 30%      | 98.6%          | 95.7%            |
| SAU801771     | MAV100828       | 33%      | 87.3%          | 84.8%            |
| SAU801771     | MBV102159       | 35%      | 88.5%          | 86.4%            |
| SAU801771     | MLP100341       | 33%      | 87.3%          | 85.3%            |
| SAU801771     | MTU201390       | 34%      | 88.5%          | 86.4%            |
| SAU801771     | NGO101603       | 34%      | 98.6%          | 96.2%            |
| SAU801771     | NME200596       | 33%      | 98.6%          | 96.2%            |
| SAU801771     | PMU100749       | 36%      | 87.3%          | 85.4%            |
| SAU801771     | PRT100794       | 48%      | 33.1%          | 76.5%            |
| SAU801771     | PAE204053       | 35%      | 87.9%          | 87.1%            |
| SAU801771     | PPU104478       | 33%      | 87.9%          | 85.4%            |
| SAU801771     | PSY102203       | 35%      | 87.9%          | 86.0%            |
| SAU801771     | SPA103220       | 32%      | 87.3%          | 87.7%            |
| SAU801771     | STY100425       | 33%      | 87.3%          | 87.7%            |
| SAU801771     | STM100096       | 33%      | 87.3%          | 87.7%            |
| SAU801771     | SAU801771       | 100%     | 100%           | 100%             |
| SAU801771     | SEP202142       | 65%      | 100%           | 100%             |
| SAU801771     | SHA101042       | 62%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801771     | SPN400164       | 34%      | 89.3%          | 88.0%            |
| SAU801771     | VCH102237       | 33%      | 99.4%          | 96.7%            |
| SAU801771     | YPS002513       | 34%      | 99.1%          | 98.1%            |
| SAU801781     | BAN102026       | 30%      | 83.5%          | 90.4%            |
| SAU801781     | BAN100029       | 32%      | 83.5%          | 87.9%            |
| SAU801781     | BFR102578       | 30%      | 84.0%          | 89.0%            |
| SAU801781     | BCE112831       | 23%      | 91.1%          | 72.6%            |
| SAU801781     | CAC102703       | 34%      | 84.8%          | 89.3%            |
| SAU801781     | CBO102369       | 59%      | 98.7%          | 96.7%            |
| SAU801781     | CDF102721       | 32%      | 96.2%          | 98.6%            |
| SAU801781     | CDP100260       | 26%      | 48.5%          | 41.4%            |
| SAU801781     | EBC104147       | 23%      | 84.8%          | 88.2%            |
| SAU801781     | EFA200734       | 28%      | 83.5%          | 85.3%            |
| SAU801781     | EFM202614       | 23%      | 94.1%          | 91.3%            |
| SAU801781     | ECO103852       | 25%      | 84.8%          | 88.2%            |
| SAU801781     | KPN303236       | 26%      | 84.8%          | 88.2%            |
| SAU801781     | LMO102295       | 33%      | 94.1%          | 95.4%            |
| SAU801781     | PRT102648       | 24%      | 84.8%          | 88.2%            |
| SAU801781     | SPA101828       | 25%      | 84.8%          | 88.2%            |
| SAU801781     | STY102761       | 25%      | 84.8%          | 88.2%            |
| SAU801781     | STM100053       | 27%      | 60.3%          | 53.9%            |
| SAU801781     | SAU801781       | 100%     | 100%           | 100%             |
| SAU801781     | SEP202149       | 88%      | 100%           | 100%             |
| SAU801781     | SHA101204       | 94%      | 100%           | 100%             |
| SAU801781     | SMU101539       | 26%      | 87.8%          | 91.0%            |
| SAU801781     | SPN400233       | 24%      | 83.1%          | 86.5%            |
| SAU801781     | SPY201499       | 53%      | 99.2%          | 96.3%            |
| SAU801781     | YPS000933       | 28%      | 84.4%          | 87.3%            |
| SAU801788     | BAN109240       | 49%      | 97.1%          | 96.4%            |
| SAU801788     | BAN109986       | 53%      | 97.5%          | 96.1%            |
| SAU801788     | BAN101451       | 53%      | 97.5%          | 96.1%            |
| SAU801788     | BAN108570       | 55%      | 97.1%          | 95.7%            |
| SAU801788     | BPT100139       | 47%      | 97.5%          | 86.9%            |
| SAU801788     | BFU106841       | 30%      | 91.3%          | 90.7%            |
| SAU801788     | BMA101899       | 29%      | 93.9%          | 93.2%            |
| SAU801788     | CBO103560       | 46%      | 95.7%          | 86%              |
| SAU801788     | CDP100048       | 39%      | 98.6%          | 94.1%            |
| SAU801788     | EFA201398       | 48%      | 99.3%          | 98.2%            |
| SAU801788     | EFM100053       | 44%      | 32.5%          | 96.8%            |
| SAU801788     | LMO102538       | 49%      | 96.8%          | 95.6%            |
| SAU801788     | MAV101886       | 40%      | 97.1%          | 95.0%            |
| SAU801788     | MBV105140       | 43%      | 98.6%          | 95.0%            |
| SAU801788     | MLP101019       | 40%      | 98.6%          | 95.0%            |
| SAU801788     | MTU202933       | 43%      | 98.6%          | 95.0%            |
| SAU801788     | PSY101323       | 30%      | 91.0%          | 91.9%            |
| SAU801788     | SAU801788       | 100%     | 100%           | 100%             |
| SAU801788     | SEP202180       | 72%      | 100%           | 99.6%            |
| SAU801788     | SHA101201       | 74%      | 100%           | 99.6%            |
| SAU801788     | YPS002012       | 43%      | 97.1%          | 95.3%            |
| SAU801790     | ABA100383       | 61%      | 97.7%          | 97.9%            |
| SAU801790     | BAN108106       | 75%      | 99.0%          | 99.0%            |
| SAU801790     | BFR103242       | 50%      | 97.7%          | 98.6%            |
| SAU801790     | BPT100493       | 60%      | 98.7%          | 99.2%            |
| SAU801790     | BBU100375       | 51%      | 97.7%          | 96.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801790     | BCE104520       | 60%      | 98.5%          | 99.2%            |
| SAU801790     | BFU106887       | 60%      | 98.5%          | 93.6%            |
| SAU801790     | BMA102515       | 60%      | 98.5%          | 97.0%            |
| SAU801790     | CJU101022       | 41%      | 97.2%          | 98.7%            |
| SAU801790     | CAC100015       | 69%      | 97.7%          | 99.0%            |
| SAU801790     | CDF101475       | 69%      | 98.5%          | 99.0%            |
| SAU801790     | CDP100317       | 57%      | 98.2%          | 97.1%            |
| SAU801790     | EBC106045       | 63%      | 96.5%          | 98.4%            |
| SAU801790     | EFA200562       | 72%      | 98.5%          | 98.7%            |
| SAU801790     | EFM102997       | 76%      | 12.8%          | 91.1%            |
| SAU801790     | ECO102877       | 62%      | 98.2%          | 98.4%            |
| SAU801790     | HIN101146       | 61%      | 97.7%          | 97.9%            |
| SAU801790     | HPY100194       | 58%      | 97.2%          | 97.4%            |
| SAU801790     | KPN303051       | 63%      | 98.2%          | 98.4%            |
| SAU801790     | LPN103398       | 58%      | 99.2%          | 100%             |
| SAU801790     | LMO101989       | 70%      | 99.5%          | 99.5%            |
| SAU801790     | MCA100501       | 58%      | 98.7%          | 99.7%            |
| SAU801790     | MAV103344       | 58%      | 99.5%          | 100%             |
| SAU801790     | MBV103088       | 57%      | 98.2%          | 98.0%            |
| SAU801790     | MLP100335       | 57%      | 99.5%          | 100%             |
| SAU801790     | MTU201374       | 57%      | 99.5%          | 100%             |
| SAU801790     | MGE100047       | 38%      | 98.0%          | 96.1%            |
| SAU801790     | MPN100094       | 39%      | 98.0%          | 96.1%            |
| SAU801790     | NGO101704       | 62%      | 97.7%          | 98.2%            |
| SAU801790     | NME200613       | 62%      | 97.7%          | 98.2%            |
| SAU801790     | PMU101027       | 61%      | 98.5%          | 98.7%            |
| SAU801790     | PRT101183       | 61%      | 97.7%          | 97.9%            |
| SAU801790     | PAE200545       | 57%      | 97.7%          | 98.0%            |
| SAU801790     | PPU109309       | 57%      | 97.7%          | 98.0%            |
| SAU801790     | PSY103013       | 57%      | 97.7%          | 98.0%            |
| SAU801790     | SPA102476       | 63%      | 97.5%          | 98.2%            |
| SAU801790     | STY104545       | 63%      | 98.2%          | 98.4%            |
| SAU801790     | STM100571       | 63%      | 98.2%          | 98.4%            |
| SAU801790     | SAU801790       | 100%     | 100%           | 100%             |
| SAU801790     | SEP202182       | 88%      | 99.7%          | 99.5%            |
| SAU801790     | SHA101199       | 90%      | 99.7%          | 99.7%            |
| SAU801790     | SMU101066       | 66%      | 99.5%          | 99.7%            |
| SAU801790     | SPN400671       | 66%      | 99.5%          | 100%             |
| SAU801790     | SPY201042       | 65%      | 99.5%          | 99.2%            |
| SAU801790     | TPA100786       | 53%      | 98.0%          | 96.5%            |
| SAU801790     | UUR100416       | 48%      | 99.0%          | 98.7%            |
| SAU801790     | VCH100467       | 61%      | 98.0%          | 97.9%            |
| SAU801790     | YPS000215       | 61%      | 98.2%          | 98.4%            |
| SAU801791     | BAN102885       | 63%      | 97.2%          | 97.5%            |
| SAU801791     | BFR105535       | 50%      | 90%            | 89.7%            |
| SAU801791     | CJU100862       | 54%      | 91.7%          | 92.6%            |
| SAU801791     | EBC103850       | 52%      | 91.3%          | 90.4%            |
| SAU801791     | ECO103326       | 52%      | 91.7%          | 91.3%            |
| SAU801791     | HIN100789       | 49%      | 90.9%          | 89.8%            |
| SAU801791     | KPN309152       | 51%      | 92.5%          | 92.0%            |
| SAU801791     | PMU101542       | 52%      | 90%            | 88.8%            |
| SAU801791     | PRT103276       | 68%      | 11.9%          | 98.5%            |
| SAU801791     | PRT102605       | 52%      | 90%            | 88.9%            |
| SAU801791     | PAE205187       | 46%      | 92.6%          | 95.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801791     | PPU109983       | 46%      | 92.6%          | 96.6%            |
| SAU801791     | PSY103061       | 49%      | 93.2%          | 95.9%            |
| SAU801791     | SPA102215       | 50%      | 54.2%          | 87.2%            |
| SAU801791     | STY101369       | 53%      | 89.8%          | 88.7%            |
| SAU801791     | STM102905       | 53%      | 89.8%          | 88.7%            |
| SAU801791     | SAU801791       | 100%     | 100%           | 100%             |
| SAU801791     | SEP202183       | 83%      | 100%           | 93.1%            |
| SAU801791     | SHA100255       | 86%      | 100%           | 100%             |
| SAU801791     | SMU101955       | 23%      | 77.2%          | 72.9%            |
| SAU801791     | SPY100767       | 22%      | 22.8%          | 45.4%            |
| SAU801791     | VCH102699       | 49%      | 96.4%          | 94.3%            |
| SAU801791     | YPS001562       | 52%      | 89.8%          | 88.7%            |
| SAU801800     | CBO103265       | 28%      | 37.5%          | 71.5%            |
| SAU801800     | CBO101981       | 35%      | 22.7%          | 48.1%            |
| SAU801800     | EFM200873       | 31%      | 39.6%          | 69.1%            |
| SAU801800     | MBV105157       | 30%      | 19.9%          | 30.3%            |
| SAU801800     | MTU408706       | 30%      | 19.9%          | 30.3%            |
| SAU801800     | NME301036       | 20%      | 62.2%          | 47.3%            |
| SAU801800     | SAU801800       | 100%     | 100%           | 100%             |
| SAU801800     | SEP202377       | 32%      | 50.2%          | 83.4%            |
| SAU801800     | SHA103321       | 32%      | 51.4%          | 83.4%            |
| SAU801801     | CBO102312       | 27%      | 40.9%          | 41.3%            |
| SAU801801     | PRT103680       | 26%      | 42.3%          | 26.6%            |
| SAU801801     | SAU801801       | 100%     | 100%           | 100%             |
| SAU801801     | SEP201425       | 42%      | 80.8%          | 98.9%            |
| SAU801812     | BFR103731       | 35%      | 22.9%          | 7.8%             |
| SAU801812     | BFU106944       | 27%      | 75.8%          | 16.1%            |
| SAU801812     | EFA200509       | 27%      | 65.8%          | 59.2%            |
| SAU801812     | MBV105595       | 24%      | 61.2%          | 43.4%            |
| SAU801812     | MTU201032       | 24%      | 61.2%          | 43.4%            |
| SAU801812     | MPN100256       | 34%      | 37.1%          | 21.3%            |
| SAU801812     | SAU801813       | 48%      | 100%           | 100%             |
| SAU801812     | SAU801809       | 54%      | 100%           | 100%             |
| SAU801812     | SAU801810       | 54%      | 100%           | 100%             |
| SAU801812     | SAU801811       | 61%      | 100%           | 100%             |
| SAU801812     | SAU801812       | 100%     | 100%           | 100%             |
| SAU801812     | SEP200474       | 32%      | 75.8%          | 63.1%            |
| SAU801812     | SHA103193       | 24%      | 61.7%          | 33.5%            |
| SAU801812     | SPN201991       | 23%      | 86.7%          | 9.6%             |
| SAU801812     | UUR100028       | 55%      | 14.2%          | 3.9%             |
| SAU801819     | BAN101272       | 26%      | 93.4%          | 100%             |
| SAU801819     | BAN107130       | 26%      | 94.3%          | 100%             |
| SAU801819     | BCE101717       | 24%      | 22.6%          | 25.3%            |
| SAU801819     | MGE100328       | 24%      | 66.3%          | 19.4%            |
| SAU801819     | SAU801163       | 30%      | 92.5%          | 98.1%            |
| SAU801819     | SAU801820       | 32%      | 84.9%          | 89.1%            |
| SAU801819     | SAU802419       | 33%      | 84.9%          | 89.0%            |
| SAU801819     | SAU802005       | 29%      | 95.2%          | 96.3%            |
| SAU801819     | SAU802420       | 29%      | 95.5%          | 99.4%            |
| SAU801819     | SAU802004       | 39%      | 94.3%          | 95.6%            |
| SAU801819     | SAU802421       | 76%      | 95.8%          | 97.8%            |
| SAU801819     | SAU801819       | 100%     | 100%           | 100%             |
| SAU801831     | ABA105109       | 31%      | 98.9%          | 85.5%            |
| SAU801831     | LPN100617       | 23%      | 94.0%          | 90.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801831     | PRT100970       | 29%      | 94.0%          | 91.7%            |
| SAU801831     | PSY105329       | 26%      | 47.3%          | 52.5%            |
| SAU801831     | SAU801831       | 100%     | 100%           | 100%             |
| SAU801831     | SEP202203       | 69%      | 100%           | 100%             |
| SAU801831     | SHA100944       | 57%      | 100%           | 100%             |
| SAU801842     | BAN105878       | 50%      | 95.8%          | 95.9%            |
| SAU801842     | BAN106784       | 50%      | 98.4%          | 98.1%            |
| SAU801842     | BFU105060       | 27%      | 40.6%          | 63.4%            |
| SAU801842     | CAC102817       | 36%      | 98.1%          | 96.3%            |
| SAU801842     | CBO103612       | 27%      | 93.3%          | 94.3%            |
| SAU801842     | EFA201160       | 42%      | 99.0%          | 99.4%            |
| SAU801842     | EFM201438       | 44%      | 99.7%          | 100%             |
| SAU801842     | LMO101135       | 55%      | 95.8%          | 95.8%            |
| SAU801842     | SAU801842       | 100%     | 100%           | 100%             |
| SAU801842     | SEP202225       | 82%      | 100%           | 100%             |
| SAU801842     | SHA100193       | 81%      | 100%           | 100%             |
| SAU801842     | SMU100680       | 42%      | 99.4%          | 96.9%            |
| SAU801842     | SPN401792       | 43%      | 98.1%          | 92.5%            |
| SAU801842     | SPY200197       | 44%      | 97.8%          | 98.7%            |
| SAU801843     | BAN110707       | 25%      | 18.4%          | 25%              |
| SAU801843     | BAN101656       | 20%      | 73.8%          | 95.8%            |
| SAU801843     | BCE102515       | 25%      | 14.7%          | 44.6%            |
| SAU801843     | EBC105222       | 20%      | 31.0%          | 79.7%            |
| SAU801843     | EFA201162       | 22%      | 97.5%          | 97.2%            |
| SAU801843     | EFM202044       | 24%      | 99.7%          | 99.2%            |
| SAU801843     | LMO101860       | 28%      | 97.6%          | 98.2%            |
| SAU801843     | PMU100358       | 22%      | 37.4%          | 32.4%            |
| SAU801843     | SAU801843       | 100%     | 100%           | 100%             |
| SAU801843     | SEP202243       | 69%      | 100%           | 99.7%            |
| SAU801843     | SHA101351       | 56%      | 63.4%          | 91.0%            |
| SAU801844     | BAN112727       | 33%      | 72.9%          | 98.0%            |
| SAU801844     | BAN108010       | 34%      | 99.5%          | 94.4%            |
| SAU801844     | BCE105254       | 28%      | 83.7%          | 82.4%            |
| SAU801844     | BFU106002       | 24%      | 26.4%          | 25.5%            |
| SAU801844     | CTR100444       | 26%      | 23.4%          | 33.8%            |
| SAU801844     | CDP101084       | 24%      | 59.0%          | 62.5%            |
| SAU801844     | EFA201164       | 35%      | 57.8%          | 56.2%            |
| SAU801844     | EFM200739       | 28%      | 99.5%          | 99.5%            |
| SAU801844     | LMO101049       | 34%      | 96.0%          | 95.4%            |
| SAU801844     | MAV100736       | 23%      | 47.2%          | 50.7%            |
| SAU801844     | MLP100687       | 23%      | 47.2%          | 50.7%            |
| SAU801844     | MTU201260       | 24%      | 55.5%          | 53.5%            |
| SAU801844     | SAU801844       | 100%     | 100%           | 100%             |
| SAU801844     | SEP202229       | 79%      | 100%           | 100%             |
| SAU801844     | SHA100337       | 72%      | 96.5%          | 98.5%            |
| SAU801864     | BAN106235       | 40%      | 98.6%          | 99.5%            |
| SAU801864     | BAN106367       | 70%      | 99.8%          | 99.1%            |
| SAU801864     | LMO102085       | 67%      | 99.8%          | 99.1%            |
| SAU801864     | SAU801864       | 100%     | 100%           | 100%             |
| SAU801864     | SEP200493       | 90%      | 100%           | 100%             |
| SAU801864     | SHA100850       | 90%      | 100%           | 100%             |
| SAU801885     | BAN105284       | 41%      | 53.6%          | 61.1%            |
| SAU801885     | BAN109052       | 39%      | 95.1%          | 95.7%            |
| SAU801885     | BFR101331       | 53%      | 8.1%           | 29.2%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801885     | BFR101263       | 30%      | 56.5%          | 47.4%            |
| SAU801885     | CAC100128       | 25%      | 78.1%          | 64.6%            |
| SAU801885     | CBO100759       | 26%      | 62.2%          | 57.1%            |
| SAU801885     | CDF103262       | 22%      | 91.6%          | 76.6%            |
| SAU801885     | CDP100733       | 28%      | 57.6%          | 46.7%            |
| SAU801885     | EFA200214       | 35%      | 98.0%          | 97.3%            |
| SAU801885     | EFM100401       | 38%      | 84.1%          | 98.1%            |
| SAU801885     | HIN100254       | 25%      | 79.8%          | 52.4%            |
| SAU801885     | KPN101258       | 30%      | 49.6%          | 80.6%            |
| SAU801885     | LMO101432       | 40%      | 88.2%          | 88.1%            |
| SAU801885     | MCA103333       | 24%      | 76.9%          | 41.2%            |
| SAU801885     | MAV102966       | 29%      | 55.6%          | 23.1%            |
| SAU801885     | PRT102089       | 27%      | 58.8%          | 34.0%            |
| SAU801885     | PSY102913       | 34%      | 57.1%          | 51.8%            |
| SAU801885     | SPA103134       | 26%      | 55.6%          | 32.8%            |
| SAU801885     | STM101354       | 28%      | 58.2%          | 36.6%            |
| SAU801885     | SAU801885       | 100%     | 100%           | 100%             |
| SAU801885     | SEP200524       | 92%      | 99.1%          | 98.9%            |
| SAU801885     | SHA102846       | 88%      | 100%           | 100%             |
| SAU801885     | SMU101513       | 36%      | 66.6%          | 71.0%            |
| SAU801885     | SPN400343       | 32%      | 94.8%          | 97.0%            |
| SAU801885     | SPY201249       | 30%      | 95.7%          | 97.0%            |
| SAU801885     | YPS002615       | 25%      | 55.9%          | 33.2%            |
| SAU801891     | BFR103387       | 25%      | 79.0%          | 39.9%            |
| SAU801891     | BCE102350       | 26%      | 42.0%          | 21.8%            |
| SAU801891     | BFU101626       | 25%      | 56.4%          | 27.9%            |
| SAU801891     | BMA107339       | 28%      | 45.7%          | 23.2%            |
| SAU801891     | CAC100871       | 44%      | 97.9%          | 99.6%            |
| SAU801891     | CBO102328       | 46%      | 97.1%          | 98.0%            |
| SAU801891     | CDF103937       | 25%      | 84.0%          | 45.0%            |
| SAU801891     | CDP101577       | 35%      | 85.2%          | 90%              |
| SAU801891     | EFA201623       | 39%      | 86.0%          | 92.6%            |
| SAU801891     | EFM202615       | 40%      | 86.4%          | 92.2%            |
| SAU801891     | KPN305163       | 24%      | 75.7%          | 40.4%            |
| SAU801891     | LMO102346       | 29%      | 72.4%          | 35.6%            |
| SAU801891     | MAV103150       | 35%      | 81.1%          | 85.1%            |
| SAU801891     | MBV105752       | 35%      | 87.2%          | 92.6%            |
| SAU801891     | MLP101386       | 33%      | 87.2%          | 93.0%            |
| SAU801891     | MTU203659       | 35%      | 87.2%          | 92.6%            |
| SAU801891     | PAE201276       | 30%      | 41.2%          | 21.0%            |
| SAU801891     | PPU104541       | 31%      | 40.3%          | 20.9%            |
| SAU801891     | PSY104520       | 26%      | 56.4%          | 28.8%            |
| SAU801891     | SPA101593       | 25%      | 63.4%          | 32.7%            |
| SAU801891     | STY102862       | 25%      | 63.4%          | 32.6%            |
| SAU801891     | SAU801891       | 100%     | 100%           | 100%             |
| SAU801891     | SEP200530       | 86%      | 99.2%          | 100%             |
| SAU801891     | SHA100327       | 87%      | 65.0%          | 100%             |
| SAU801891     | SMU100316       | 37%      | 86.8%          | 82.1%            |
| SAU801891     | SPN401443       | 39%      | 86.4%          | 82.3%            |
| SAU801891     | SPY200781       | 42%      | 86.8%          | 81.7%            |
| SAU801891     | VCH103448       | 26%      | 59.7%          | 31.0%            |
| SAU801892     | CAC103089       | 37%      | 83.5%          | 85.3%            |
| SAU801892     | CBO103928       | 33%      | 88.3%          | 87.0%            |
| SAU801892     | CDP101579       | 27%      | 89.9%          | 90.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801892     | EFA201624       | 35%      | 88.8%          | 88.2%            |
| SAU801892     | EFM201524       | 33%      | 90.6%          | 91.1%            |
| SAU801892     | MAV103153       | 28%      | 95.7%          | 95.9%            |
| SAU801892     | MBV103349       | 24%      | 70.3%          | 99.3%            |
| SAU801892     | MLP101385       | 28%      | 98.4%          | 98.8%            |
| SAU801892     | MTU203658       | 28%      | 95.7%          | 95.9%            |
| SAU801892     | SAU801892       | 100%     | 100%           | 100%             |
| SAU801892     | SEP200540       | 84%      | 100%           | 100%             |
| SAU801892     | SHA100326       | 86%      | 91.5%          | 100%             |
| SAU801892     | SMU100305       | 38%      | 83.1%          | 82.3%            |
| SAU801892     | SPN401442       | 35%      | 92.9%          | 92.4%            |
| SAU801892     | SPY200782       | 35%      | 88.1%          | 87.4%            |
| SAU801898     | ABA102906       | 25%      | 93.0%          | 97.1%            |
| SAU801898     | BAN101717       | 37%      | 83.5%          | 87.6%            |
| SAU801898     | BAN104028       | 51%      | 93.3%          | 97.7%            |
| SAU801898     | BFR103264       | 21%      | 87.6%          | 91.6%            |
| SAU801898     | BPT102594       | 36%      | 33.7%          | 35.2%            |
| SAU801898     | CAC101539       | 32%      | 93.3%          | 99.3%            |
| SAU801898     | CBO100610       | 29%      | 91.4%          | 97.6%            |
| SAU801898     | CDF100046       | 31%      | 91.7%          | 97.0%            |
| SAU801898     | CDP100495       | 27%      | 93.7%          | 91.4%            |
| SAU801898     | EBC101306       | 32%      | 82.9%          | 87.0%            |
| SAU801898     | EFA201025       | 50%      | 95.6%          | 84.8%            |
| SAU801898     | EFM201626       | 34%      | 92.7%          | 99.7%            |
| SAU801898     | ECO102045       | 31%      | 82.9%          | 87.0%            |
| SAU801898     | KPN304484       | 30%      | 82.9%          | 86.6%            |
| SAU801898     | LPN102533       | 27%      | 87.6%          | 94.8%            |
| SAU801898     | LMO101117       | 54%      | 94.0%          | 95.8%            |
| SAU801898     | MAV101449       | 25%      | 86.0%          | 88.4%            |
| SAU801898     | MBV102765       | 22%      | 90.5%          | 93.2%            |
| SAU801898     | MTU202218       | 22%      | 90.5%          | 93.2%            |
| SAU801898     | PRT102330       | 32%      | 82.9%          | 87.5%            |
| SAU801898     | PAE203021       | 29%      | 82.5%          | 85.1%            |
| SAU801898     | PPU103228       | 26%      | 82.5%          | 85.8%            |
| SAU801898     | PSY100248       | 33%      | 40.3%          | 92.6%            |
| SAU801898     | PSY102861       | 27%      | 86.3%          | 87.2%            |
| SAU801898     | SPA100769       | 27%      | 82.9%          | 86.9%            |
| SAU801898     | STM103922       | 29%      | 82.9%          | 87.0%            |
| SAU801898     | SAU801898       | 100%     | 100%           | 100%             |
| SAU801898     | SEP200546       | 89%      | 98.4%          | 98.1%            |
| SAU801898     | SHA101107       | 86%      | 100%           | 95.5%            |
| SAU801898     | SMU101024       | 46%      | 96.8%          | 90.2%            |
| SAU801898     | SPN400947       | 33%      | 92.4%          | 92.6%            |
| SAU801898     | SPY200551       | 45%      | 99.0%          | 93.2%            |
| SAU801898     | YPS003168       | 33%      | 82.9%          | 87.8%            |
| SAU801899     | ABA101192       | 49%      | 98.5%          | 96.9%            |
| SAU801899     | BAN113289       | 55%      | 98.1%          | 98.1%            |
| SAU801899     | BAN103118       | 77%      | 100%           | 100%             |
| SAU801899     | BPT102505       | 47%      | 99.4%          | 99.8%            |
| SAU801899     | BBU100340       | 41%      | 99.4%          | 99.4%            |
| SAU801899     | BCE113424       | 47%      | 74.7%          | 94.3%            |
| SAU801899     | BFU106894       | 45%      | 98.9%          | 98.4%            |
| SAU801899     | BMA107258       | 47%      | 98.9%          | 99.2%            |
| SAU801899     | CJU101122       | 48%      | 98.9%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801899     | CPN200756       | 42%      | 99.4%          | 98.4%            |
| SAU801899     | CTR200267       | 41%      | 98.1%          | 97.1%            |
| SAU801899     | CAC103172       | 51%      | 100%           | 100%             |
| SAU801899     | CBO100777       | 53%      | 99.8%          | 99.8%            |
| SAU801899     | CDF102772       | 25%      | 25.5%          | 84%              |
| SAU801899     | CDP100169       | 44%      | 98.9%          | 96.4%            |
| SAU801899     | EFA201028       | 72%      | 100%           | 100%             |
| SAU801899     | EFM100482       | 77%      | 22.9%          | 100%             |
| SAU801899     | HPY100650       | 46%      | 99.4%          | 99.6%            |
| SAU801899     | LPN102938       | 40%      | 99.4%          | 99.8%            |
| SAU801899     | LMO100253       | 75%      | 100%           | 100%             |
| SAU801899     | MCA100584       | 46%      | 98.5%          | 97.1%            |
| SAU801899     | MAV106350       | 42%      | 98.1%          | 95.0%            |
| SAU801899     | MBV101310       | 42%      | 98.1%          | 93.9%            |
| SAU801899     | MLP101041       | 40%      | 98.1%          | 93.9%            |
| SAU801899     | MTU202971       | 42%      | 98.1%          | 93.9%            |
| SAU801899     | MGE100102       | 36%      | 97.7%          | 96.4%            |
| SAU801899     | MPN100593       | 38%      | 97.7%          | 96.2%            |
| SAU801899     | NGO101113       | 46%      | 99.4%          | 99.8%            |
| SAU801899     | NME201429       | 46%      | 99.4%          | 99.8%            |
| SAU801899     | PAE204482       | 48%      | 99.6%          | 99.8%            |
| SAU801899     | PPU103969       | 48%      | 99.6%          | 99.8%            |
| SAU801899     | PSY104801       | 48%      | 99.6%          | 95.0%            |
| SAU801899     | SAU801899       | 100%     | 100%           | 100%             |
| SAU801899     | SEP200547       | 92%      | 100%           | 100%             |
| SAU801899     | SHA101106       | 93%      | 100%           | 100%             |
| SAU801899     | SMU101137       | 64%      | 99.8%          | 99.4%            |
| SAU801899     | SPN400393       | 63%      | 99.8%          | 99.2%            |
| SAU801899     | SPY201364       | 63%      | 99.8%          | 99.4%            |
| SAU801899     | TPA101011       | 37%      | 99.4%          | 94.9%            |
| SAU801899     | UUR100550       | 36%      | 99.6%          | 99.6%            |
| SAU801899     | VCH100444       | 27%      | 25.1%          | 20.9%            |
| SAU801900     | ABA101195       | 47%      | 97.5%          | 96.3%            |
| SAU801900     | BAN102336       | 47%      | 96.3%          | 96.8%            |
| SAU801900     | BAN100349       | 61%      | 98.8%          | 98.8%            |
| SAU801900     | BFR100886       | 24%      | 18.6%          | 27.2%            |
| SAU801900     | BPT102507       | 47%      | 90.7%          | 89.8%            |
| SAU801900     | BBU100341       | 39%      | 91.8%          | 89.7%            |
| SAU801900     | BCE103922       | 49%      | 90.7%          | 91.3%            |
| SAU801900     | BFU106893       | 49%      | 91.8%          | 92.3%            |
| SAU801900     | BMA103667       | 49%      | 90.7%          | 91.3%            |
| SAU801900     | CJU100987       | 46%      | 89.7%          | 98.5%            |
| SAU801900     | CPN200757       | 44%      | 99.2%          | 97.2%            |
| SAU801900     | CTR200266       | 44%      | 98.8%          | 97.1%            |
| SAU801900     | CAC100524       | 54%      | 97.9%          | 99.8%            |
| SAU801900     | CBO102412       | 49%      | 98.8%          | 98.8%            |
| SAU801900     | CDP100148       | 46%      | 96.3%          | 96.4%            |
| SAU801900     | EBC101332       | 32%      | 93.0%          | 92.3%            |
| SAU801900     | EFA201041       | 61%      | 97.7%          | 96.5%            |
| SAU801900     | EFM202258       | 24%      | 95.9%          | 96.7%            |
| SAU801900     | HPY100817       | 48%      | 92.4%          | 96.7%            |
| SAU801900     | KPN302436       | 31%      | 97.5%          | 97.0%            |
| SAU801900     | LPN101348       | 50%      | 91.8%          | 91.9%            |
| SAU801900     | LMO101334       | 62%      | 97.5%          | 97.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801900     | MCA100258       | 47%      | 98.4%          | 97.8%            |
| SAU801900     | MAV101410       | 48%      | 95.5%          | 95.7%            |
| SAU801900     | MBV100289       | 47%      | 95.5%          | 95.7%            |
| SAU801900     | MLP101043       | 47%      | 95.5%          | 95.0%            |
| SAU801900     | MTU202973       | 47%      | 95.5%          | 95.7%            |
| SAU801900     | MGE100101       | 32%      | 97.1%          | 99.4%            |
| SAU801900     | MPN100594       | 33%      | 88.5%          | 91.6%            |
| SAU801900     | NGO101120       | 46%      | 96.3%          | 96.9%            |
| SAU801900     | NME201427       | 47%      | 96.1%          | 96.7%            |
| SAU801900     | PRT104598       | 24%      | 28.9%          | 44.3%            |
| SAU801900     | PAE204481       | 50%      | 95.9%          | 95.9%            |
| SAU801900     | PPU101392       | 48%      | 95.9%          | 96.1%            |
| SAU801900     | PSY105880       | 47%      | 95.9%          | 96.1%            |
| SAU801900     | SAU801900       | 100%     | 100%           | 100%             |
| SAU801900     | SEP200550       | 90%      | 100%           | 100%             |
| SAU801900     | SHA100413       | 89%      | 77.9%          | 98.4%            |
| SAU801900     | SMU101138       | 56%      | 98.8%          | 97.7%            |
| SAU801900     | SPN400394       | 56%      | 98.8%          | 97.7%            |
| SAU801900     | SPY201365       | 56%      | 98.8%          | 97.7%            |
| SAU801900     | TPA101010       | 46%      | 83.1%          | 81.6%            |
| SAU801900     | UUR100551       | 32%      | 94.0%          | 95.2%            |
| SAU801900     | YPS002788       | 31%      | 93.0%          | 92.3%            |
| SAU801901     | ABA101198       | 33%      | 89%            | 85.6%            |
| SAU801901     | BAN111216       | 40%      | 88%            | 94.6%            |
| SAU801901     | BAN108238       | 44%      | 95%            | 99.0%            |
| SAU801901     | BPT102508       | 35%      | 92%            | 97.1%            |
| SAU801901     | BCE104390       | 28%      | 92%            | 97.0%            |
| SAU801901     | BFU106892       | 28%      | 92%            | 86.5%            |
| SAU801901     | BMA103771       | 27%      | 92%            | 97.0%            |
| SAU801901     | CPN200758       | 28%      | 90%            | 92.1%            |
| SAU801901     | CTR200265       | 25%      | 92%            | 94%              |
| SAU801901     | CAC100906       | 30%      | 93%            | 93.9%            |
| SAU801901     | CBO103651       | 29%      | 93%            | 93.9%            |
| SAU801901     | CDP100146       | 32%      | 99%            | 100%             |
| SAU801901     | EFA201044       | 38%      | 97%            | 89.8%            |
| SAU801901     | EFM100480       | 39%      | 97%            | 96.0%            |
| SAU801901     | LPN103589       | 25%      | 95%            | 96.9%            |
| SAU801901     | LMO100749       | 46%      | 97%            | 100%             |
| SAU801901     | MCA100257       | 27%      | 92%            | 96.8%            |
| SAU801901     | MAV101412       | 38%      | 98%            | 100%             |
| SAU801901     | MBV101316       | 34%      | 98%            | 81.7%            |
| SAU801901     | MLP101044       | 35%      | 97%            | 98.0%            |
| SAU801901     | MTU202974       | 35%      | 98%            | 99.0%            |
| SAU801901     | NGO101123       | 29%      | 94%            | 97.9%            |
| SAU801901     | NME201426       | 27%      | 94%            | 97.9%            |
| SAU801901     | PAE204480       | 34%      | 90%            | 93.8%            |
| SAU801901     | PPU103938       | 34%      | 90%            | 94.7%            |
| SAU801901     | PSY108279       | 33%      | 90%            | 94.7%            |
| SAU801901     | SAU801901       | 100%     | 100%           | 100%             |
| SAU801901     | SEP200560       | 95%      | 100%           | 100%             |
| SAU801901     | SHA100412       | 90%      | 100%           | 100%             |
| SAU801901     | SMU101140       | 44%      | 95%            | 95%              |
| SAU801901     | SPN400395       | 41%      | 95%            | 95%              |
| SAU801901     | SPY201366       | 40%      | 95%            | 95%              |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801904     | ABA100577       | 42%      | 97.9%          | 96.5%            |
| SAU801904     | BAN102650       | 47%      | 98.7%          | 100%             |
| SAU801904     | BAN110615       | 60%      | 98.7%          | 98.8%            |
| SAU801904     | BFR102809       | 40%      | 98.4%          | 99.1%            |
| SAU801904     | BPT100689       | 44%      | 96.1%          | 96.1%            |
| SAU801904     | BBU100551       | 33%      | 97.3%          | 97.7%            |
| SAU801904     | BCE104345       | 46%      | 97.5%          | 96.2%            |
| SAU801904     | BFU101944       | 46%      | 96.1%          | 94.9%            |
| SAU801904     | BMA104881       | 46%      | 96.1%          | 94.9%            |
| SAU801904     | CJU100547       | 35%      | 96.7%          | 97.4%            |
| SAU801904     | CPN200612       | 41%      | 96.9%          | 96.8%            |
| SAU801904     | CTR200416       | 38%      | 97.5%          | 97.6%            |
| SAU801904     | CAC101086       | 38%      | 97.6%          | 98.3%            |
| SAU801904     | CAC101820       | 38%      | 98.8%          | 98.7%            |
| SAU801904     | CBO101063       | 39%      | 98.2%          | 98.8%            |
| SAU801904     | CDF103325       | 49%      | 98.5%          | 96.9%            |
| SAU801904     | CDP100142       | 37%      | 98.5%          | 97.9%            |
| SAU801904     | EBC101052       | 43%      | 98.8%          | 99.6%            |
| SAU801904     | EFA201047       | 56%      | 98.4%          | 96.5%            |
| SAU801904     | EFM100886       | 58%      | 30.6%          | 95.8%            |
| SAU801904     | ECO102362       | 44%      | 98.8%          | 99.3%            |
| SAU801904     | HIN101074       | 45%      | 98.8%          | 97.9%            |
| SAU801904     | HPY100608       | 40%      | 97.8%          | 97.9%            |
| SAU801904     | KPN300317       | 41%      | 20.7%          | 81.8%            |
| SAU801904     | KPN301038       | 44%      | 98.8%          | 99.3%            |
| SAU801904     | LPN101707       | 40%      | 98.4%          | 98.5%            |
| SAU801904     | LMO102553       | 60%      | 99.0%          | 98.5%            |
| SAU801904     | MCA101464       | 42%      | 98.1%          | 95.2%            |
| SAU801904     | MAV101428       | 38%      | 97.3%          | 95.4%            |
| SAU801904     | MBV102830       | 38%      | 97.2%          | 95.5%            |
| SAU801904     | MLP101046       | 38%      | 97.3%          | 95.2%            |
| SAU801904     | MTU202976       | 38%      | 97.2%          | 95.5%            |
| SAU801904     | MGE100258       | 36%      | 98.2%          | 99.4%            |
| SAU801904     | MPN100479       | 37%      | 97.5%          | 98.8%            |
| SAU801904     | NGO100904       | 43%      | 98.8%          | 99.5%            |
| SAU801904     | NME200800       | 44%      | 98.2%          | 96.4%            |
| SAU801904     | PMU101716       | 43%      | 97.8%          | 97.8%            |
| SAU801904     | PRT102270       | 45%      | 98.5%          | 98.5%            |
| SAU801904     | PAE201528       | 42%      | 97.6%          | 97.4%            |
| SAU801904     | PPU107257       | 44%      | 98.1%          | 98.2%            |
| SAU801904     | PSY103902       | 43%      | 85.2%          | 94.1%            |
| SAU801904     | SPA103528       | 42%      | 98.8%          | 99.4%            |
| SAU801904     | STY101179       | 43%      | 98.8%          | 99.3%            |
| SAU801904     | SAU801904       | 100%     | 100%           | 100%             |
| SAU801904     | SEP200563       | 82%      | 99.4%          | 99.7%            |
| SAU801904     | SHA100321       | 83%      | 97.8%          | 100%             |
| SAU801904     | SMU101026       | 51%      | 97.8%          | 99.1%            |
| SAU801904     | SPN401024       | 51%      | 97.8%          | 99.1%            |
| SAU801904     | SPY200550       | 51%      | 97.8%          | 99.1%            |
| SAU801904     | TPA100627       | 27%      | 98.7%          | 77.5%            |
| SAU801904     | UUR100120       | 41%      | 99.4%          | 99.7%            |
| SAU801904     | VCH100955       | 43%      | 99.0%          | 99.6%            |
| SAU801904     | YPS000606       | 43%      | 98.8%          | 99.3%            |
| SAU801905     | ABA100705       | 40%      | 87.0%          | 94.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801905     | BAN105739       | 39%      | 99.2%          | 99.5%            |
| SAU801905     | BAN105118       | 58%      | 99.3%          | 98.7%            |
| SAU801905     | BFR10181        | 43%      | 91.2%          | 95.7%            |
| SAU801905     | BPT100444       | 37%      | 99.0%          | 96.3%            |
| SAU801905     | BBU100606       | 38%      | 87.1%          | 97.1%            |
| SAU801905     | BCE114095       | 37%      | 86.6%          | 100%             |
| SAU801905     | BFU114667       | 35%      | 99.9%          | 100%             |
| SAU801905     | BMA108211       | 34%      | 99.9%          | 100%             |
| SAU801905     | CJU101027       | 36%      | 96.8%          | 97.4%            |
| SAU801905     | CPN201081       | 40%      | 87.0%          | 98.9%            |
| SAU801905     | CTR200887       | 40%      | 87.3%          | 99.5%            |
| SAU801905     | CAC100746       | 44%      | 98.5%          | 98.9%            |
| SAU801905     | CBO101783       | 48%      | 99.0%          | 99.5%            |
| SAU801905     | CDF102800       | 43%      | 99.2%          | 98.7%            |
| SAU801905     | CDP100108       | 42%      | 99.2%          | 94.4%            |
| SAU801905     | EBC102904       | 39%      | 86.2%          | 94.6%            |
| SAU801905     | EFA201050       | 57%      | 99.5%          | 99.3%            |
| SAU801905     | EFM200737       | 25%      | 86.0%          | 88.9%            |
| SAU801905     | ECO103725       | 39%      | 99.0%          | 99.0%            |
| SAU801905     | HIN101161       | 40%      | 99.6%          | 99.3%            |
| SAU801905     | HPY101457       | 33%      | 95.5%          | 94.6%            |
| SAU801905     | KPN303539       | 39%      | 99.0%          | 98.8%            |
| SAU801905     | LPN100488       | 37%      | 89.3%          | 98.2%            |
| SAU801905     | LMO100030       | 60%      | 99.6%          | 99.9%            |
| SAU801905     | MCA101054       | 37%      | 87.3%          | 93.8%            |
| SAU801905     | MAV107704       | 43%      | 99.2%          | 97.8%            |
| SAU801905     | MBV101967       | 43%      | 99.2%          | 97.5%            |
| SAU801905     | MLP100111       | 41%      | 99.6%          | 98.2%            |
| SAU801905     | MTU200940       | 43%      | 99.2%          | 97.5%            |
| SAU801905     | MGE100248       | 28%      | 94.9%          | 96.0%            |
| SAU801905     | MPN100496       | 33%      | 92.3%          | 95.7%            |
| SAU801905     | MPN100495       | 29%      | 94.8%          | 94.8%            |
| SAU801905     | NGO100682       | 37%      | 99.0%          | 98.5%            |
| SAU801905     | NME200026       | 37%      | 99.0%          | 98.5%            |
| SAU801905     | PMU100411       | 39%      | 99.6%          | 99.4%            |
| SAU801905     | PRT102802       | 38%      | 99.0%          | 99.3%            |
| SAU801905     | PAE205438       | 38%      | 99.5%          | 99.2%            |
| SAU801905     | PPU102313       | 38%      | 99.5%          | 99.0%            |
| SAU801905     | PSY103224       | 37%      | 94.5%          | 99.6%            |
| SAU801905     | SPA103752       | 39%      | 86.2%          | 93.9%            |
| SAU801905     | STY102029       | 39%      | 99.0%          | 99.0%            |
| SAU801905     | STM101095       | 39%      | 99.0%          | 99.0%            |
| SAU801905     | SAU801905       | 100%     | 100%           | 100%             |
| SAU801905     | SEP200564       | 89%      | 100%           | 99.9%            |
| SAU801905     | SHA100319       | 87%      | 98.5%          | 100%             |
| SAU801905     | SMU100987       | 52%      | 99.7%          | 100%             |
| SAU801905     | SPN400995       | 53%      | 99.7%          | 99.9%            |
| SAU801905     | SPY200975       | 52%      | 99.7%          | 100%             |
| SAU801905     | TPA100101       | 41%      | 87.7%          | 96.7%            |
| SAU801905     | UUR100506       | 37%      | 97.7%          | 97.4%            |
| SAU801905     | VCH100188       | 40%      | 99.2%          | 99.0%            |
| SAU801905     | YPS001400       | 39%      | 99.0%          | 99.0%            |
| SAU801908     | ABA105090       | 26%      | 98.4%          | 97.1%            |
| SAU801908     | BAN108908       | 61%      | 99.1%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801908     | BAN107339       | 72%      | 99.8%          | 99.3%            |
| SAU801908     | BFR11423        | 26%      | 67.7%          | 67.9%            |
| SAU801908     | BPT102211       | 25%      | 70.3%          | 66.0%            |
| SAU801908     | BCE106246       | 32%      | 52.4%          | 62.8%            |
| SAU801908     | BFU107381       | 27%      | 96.1%          | 89.5%            |
| SAU801908     | BMA109025       | 28%      | 95.8%          | 90.5%            |
| SAU801908     | CJU100023       | 48%      | 99.1%          | 99.3%            |
| SAU801908     | CAC101025       | 28%      | 95.4%          | 89.7%            |
| SAU801908     | CBO102979       | 27%      | 95.8%          | 89.9%            |
| SAU801908     | CDF100139       | 26%      | 16.9%          | 81.5%            |
| SAU801908     | CDF100863       | 28%      | 97.4%          | 90.6%            |
| SAU801908     | CDP100537       | 24%      | 95.8%          | 89.1%            |
| SAU801908     | EBC102864       | 25%      | 76.3%          | 73.7%            |
| SAU801908     | EFA200867       | 70%      | 99.8%          | 99.8%            |
| SAU801908     | EFM201242       | 68%      | 99.8%          | 99.8%            |
| SAU801908     | ECO101104       | 27%      | 74.0%          | 71.5%            |
| SAU801908     | HIN100620       | 24%      | 79.6%          | 76.8%            |
| SAU801908     | HPY101095       | 46%      | 99.1%          | 99.3%            |
| SAU801908     | KPN304553       | 30%      | 94.0%          | 93.4%            |
| SAU801908     | LPN100438       | 25%      | 68.7%          | 67.1%            |
| SAU801908     | LMO102395       | 72%      | 99.8%          | 100%             |
| SAU801908     | MCA100711       | 26%      | 81.9%          | 78.8%            |
| SAU801908     | MAV104228       | 27%      | 87.5%          | 81.6%            |
| SAU801908     | MBV105328       | 27%      | 87.5%          | 82.0%            |
| SAU801908     | MLP101330       | 28%      | 87.5%          | 82.0%            |
| SAU801908     | MTU200771       | 27%      | 87.5%          | 82.0%            |
| SAU801908     | NGO101832       | 26%      | 80.5%          | 80.7%            |
| SAU801908     | NME202038       | 24%      | 90.3%          | 90.1%            |
| SAU801908     | PMU101851       | 27%      | 85.8%          | 81.3%            |
| SAU801908     | PRT104726       | 25%      | 95.8%          | 91.7%            |
| SAU801908     | PRT105429       | 33%      | 97.4%          | 94.3%            |
| SAU801908     | PAE203514       | 29%      | 98.1%          | 88.6%            |
| SAU801908     | PAE203515       | 32%      | 95.1%          | 87.2%            |
| SAU801908     | PPU101118       | 29%      | 98.4%          | 96%              |
| SAU801908     | PSY102568       | 29%      | 87.0%          | 95.1%            |
| SAU801908     | SPA104234       | 26%      | 68.7%          | 65.0%            |
| SAU801908     | STY102567       | 26%      | 74.0%          | 71.5%            |
| SAU801908     | SAU801908       | 100%     | 100%           | 100%             |
| SAU801908     | SEP200567       | 92%      | 100%           | 100%             |
| SAU801908     | SHA100373       | 93%      | 99.8%          | 99.8%            |
| SAU801908     | SMU101297       | 66%      | 99.8%          | 99.5%            |
| SAU801908     | SPN400056       | 66%      | 99.8%          | 99.5%            |
| SAU801908     | SPY200028       | 66%      | 99.8%          | 100%             |
| SAU801908     | VCH101107       | 27%      | 65.7%          | 63.8%            |
| SAU801908     | YPS003261       | 26%      | 76.6%          | 75.2%            |
| SAU801912     | ABA100328       | 25%      | 83.5%          | 42.9%            |
| SAU801912     | BAN108683       | 47%      | 85.7%          | 85.7%            |
| SAU801912     | BAN108744       | 50%      | 95.2%          | 95.6%            |
| SAU801912     | BFR106001       | 25%      | 59.0%          | 24.2%            |
| SAU801912     | BPT101105       | 23%      | 76.2%          | 37.3%            |
| SAU801912     | BCE104452       | 45%      | 97.8%          | 96.1%            |
| SAU801912     | BFU114829       | 46%      | 97.8%          | 94.8%            |
| SAU801912     | BMA100850       | 44%      | 96.7%          | 94.4%            |
| SAU801912     | CJU100749       | 27%      | 85.7%          | 92.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801912     | CAC102721       | 26%      | 67.0%          | 27.6%            |
| SAU801912     | CBO100735       | 26%      | 67.4%          | 28.5%            |
| SAU801912     | CDF103692       | 31%      | 81.0%          | 87.3%            |
| SAU801912     | CDP101431       | 50%      | 95.2%          | 96.3%            |
| SAU801912     | EBC101020       | 58%      | 98.5%          | 99.3%            |
| SAU801912     | EFA201596       | 55%      | 97.4%          | 97.5%            |
| SAU801912     | EFM200649       | 56%      | 95.2%          | 95.6%            |
| SAU801912     | ECO101708       | 58%      | 98.5%          | 99.3%            |
| SAU801912     | HPY100325       | 31%      | 80.6%          | 78.8%            |
| SAU801912     | KPN302800       | 60%      | 98.5%          | 99.3%            |
| SAU801912     | LMO101503       | 58%      | 96.7%          | 97.1%            |
| SAU801912     | MCA102959       | 24%      | 80.6%          | 38.5%            |
| SAU801912     | MGE100394       | 28%      | 86.8%          | 91.1%            |
| SAU801912     | MPN100280       | 27%      | 88.3%          | 92.3%            |
| SAU801912     | NGO101101       | 25%      | 79.5%          | 81.0%            |
| SAU801912     | NME201435       | 25%      | 79.9%          | 78.4%            |
| SAU801912     | PRT106200       | 27%      | 83.9%          | 42.9%            |
| SAU801912     | PAE204915       | 45%      | 96.3%          | 98.5%            |
| SAU801912     | PPU107581       | 45%      | 97.1%          | 99.3%            |
| SAU801912     | PSY101011       | 45%      | 97.1%          | 99.3%            |
| SAU801912     | SPA103120       | 60%      | 96.3%          | 96.4%            |
| SAU801912     | STY101195       | 58%      | 98.5%          | 99.3%            |
| SAU801912     | SAU801912       | 100%     | 100%           | 100%             |
| SAU801912     | SEP200570       | 80%      | 99.6%          | 98.9%            |
| SAU801912     | SHA100109       | 80%      | 100%           | 100%             |
| SAU801912     | SMU101467       | 57%      | 95.2%          | 95.6%            |
| SAU801912     | SPN401275       | 55%      | 96.3%          | 96.7%            |
| SAU801912     | SPY201273       | 57%      | 96.3%          | 96.7%            |
| SAU801912     | TPA100772       | 24%      | 76.2%          | 28.9%            |
| SAU801912     | UUR100465       | 30%      | 87.2%          | 91.0%            |
| SAU801912     | VCH102941       | 50%      | 97.1%          | 99.6%            |
| SAU801912     | YPS003346       | 27%      | 76.6%          | 37.8%            |
| SAU801913     | ABA104064       | 24%      | 62.8%          | 82.4%            |
| SAU801913     | BAN100917       | 56%      | 98.0%          | 99.2%            |
| SAU801913     | BAN111422       | 64%      | 98.8%          | 99.2%            |
| SAU801913     | BFR12483        | 24%      | 61.3%          | 83.0%            |
| SAU801913     | BBU100634       | 40%      | 95.1%          | 97.9%            |
| SAU801913     | BFU104396       | 21%      | 56.2%          | 76.7%            |
| SAU801913     | CJU100203       | 44%      | 78.9%          | 84.0%            |
| SAU801913     | CAC102082       | 46%      | 96.1%          | 96.7%            |
| SAU801913     | CAC102201       | 45%      | 95.5%          | 95.5%            |
| SAU801913     | CBO101220       | 43%      | 96.1%          | 96.1%            |
| SAU801913     | CDF101027       | 49%      | 95.5%          | 98.3%            |
| SAU801913     | CDP101373       | 33%      | 90.4%          | 94.7%            |
| SAU801913     | EBC100632       | 24%      | 37.4%          | 64.1%            |
| SAU801913     | EFA201594       | 59%      | 99.2%          | 98.4%            |
| SAU801913     | EFM200699       | 59%      | 98.6%          | 98.6%            |
| SAU801913     | ECO100906       | 20%      | 66.3%          | 87%              |
| SAU801913     | KPN301496       | 21%      | 57.5%          | 77%              |
| SAU801913     | LPN101555       | 44%      | 95.9%          | 98.1%            |
| SAU801913     | LMO102099       | 61%      | 97.8%          | 96.8%            |
| SAU801913     | MAV103522       | 30%      | 89.4%          | 92.1%            |
| SAU801913     | MBV100308       | 37%      | 92.6%          | 91.1%            |
| SAU801913     | MTU200570       | 37%      | 92.6%          | 91.1%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801913     | MPN100107       | 21%      | 61.1%          | 76.1%            |
| SAU801913     | NGO100225       | 25%      | 71.2%          | 93.0%            |
| SAU801913     | NME201565       | 25%      | 71.2%          | 89.3%            |
| SAU801913     | PRT101956       | 22%      | 40.9%          | 54.2%            |
| SAU801913     | PAE204374       | 23%      | 31.7%          | 44.0%            |
| SAU801913     | PPU107582       | 24%      | 54.2%          | 72.1%            |
| SAU801913     | PSY101887       | 25%      | 31.7%          | 43.0%            |
| SAU801913     | SPA102570       | 21%      | 66.3%          | 87%              |
| SAU801913     | STY102950       | 21%      | 66.3%          | 87%              |
| SAU801913     | SAU801913       | 100%     | 100%           | 100%             |
| SAU801913     | SEP200580       | 85%      | 100%           | 100%             |
| SAU801913     | SHA101008       | 87%      | 84.0%          | 96.9%            |
| SAU801913     | SMU101465       | 58%      | 98.0%          | 98.6%            |
| SAU801913     | SPN401276       | 59%      | 98.6%          | 99.4%            |
| SAU801913     | SPY201274       | 62%      | 95.3%          | 96.3%            |
| SAU801913     | TPA100621       | 38%      | 92.2%          | 95.3%            |
| SAU801913     | UUR100278       | 22%      | 54.8%          | 78.2%            |
| SAU801913     | YPS002092       | 21%      | 66.3%          | 87.0%            |
| SAU801919     | BAN106385       | 61%      | 66.3%          | 99.5%            |
| SAU801919     | BAN103886       | 53%      | 98.4%          | 99.7%            |
| SAU801919     | CAC101085       | 43%      | 98.1%          | 97.4%            |
| SAU801919     | CBO102972       | 42%      | 76.7%          | 86.5%            |
| SAU801919     | CDF100963       | 46%      | 2.6%           | 44.5%            |
| SAU801919     | EFA201809       | 57%      | 98.7%          | 99.0%            |
| SAU801919     | EFM101283       | 48%      | 65.0%          | 100%             |
| SAU801919     | LMO102809       | 52%      | 100%           | 100%             |
| SAU801919     | SAU801919       | 100%     | 100%           | 100%             |
| SAU801919     | SEP200585       | 82%      | 100%           | 100%             |
| SAU801919     | SHA100533       | 81%      | 100%           | 100%             |
| SAU801919     | SMU100407       | 48%      | 99.0%          | 99.0%            |
| SAU801919     | SPN401388       | 49%      | 99.0%          | 99.0%            |
| SAU801919     | SPY200277       | 48%      | 99.0%          | 99.0%            |
| SAU801919     | VCH101659       | 34%      | 97.7%          | 98.7%            |
| SAU801933     | BAN110157       | 40%      | 95.3%          | 100%             |
| SAU801933     | BAN100669       | 41%      | 95.3%          | 97.9%            |
| SAU801933     | BFR12250        | 29%      | 72.1%          | 73.6%            |
| SAU801933     | CBO103408       | 43%      | 92.6%          | 97.2%            |
| SAU801933     | CDF102635       | 40%      | 95.0%          | 99.3%            |
| SAU801933     | HPY101203       | 30%      | 75.8%          | 97.8%            |
| SAU801933     | SAU801933       | 100%     | 100%           | 100%             |
| SAU801933     | SEP200625       | 67%      | 98.0%          | 96.1%            |
| SAU801933     | SHA100899       | 61%      | 95.3%          | 95.0%            |
| SAU801933     | SMU101571       | 40%      | 76.8%          | 93.4%            |
| SAU801933     | SPN401558       | 35%      | 68.5%          | 82.5%            |
| SAU801933     | SPY200989       | 35%      | 68.5%          | 86.2%            |
| SAU801934     | ABA105859       | 30%      | 78.6%          | 38%              |
| SAU801934     | BAN104444       | 47%      | 97.6%          | 100%             |
| SAU801934     | BAN112958       | 52%      | 100%           | 97.7%            |
| SAU801934     | BCE102018       | 42%      | 55.6%          | 51.9%            |
| SAU801934     | CAC102154       | 36%      | 75.4%          | 81.0%            |
| SAU801934     | CBO102232       | 49%      | 96.0%          | 98.4%            |
| SAU801934     | CDF100819       | 47%      | 98.4%          | 100%             |
| SAU801934     | EFA204644       | 29%      | 100%           | 96.1%            |
| SAU801934     | KPN103820       | 29%      | 70.6%          | 40.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801934     | LMO101932       | 31%      | 88.9%          | 85.5%            |
| SAU801934     | MAV100931       | 39%      | 54.8%          | 57.0%            |
| SAU801934     | MBV100745       | 29%      | 88.9%          | 87.6%            |
| SAU801934     | MTU201137       | 29%      | 88.9%          | 87.6%            |
| SAU801934     | PRT106136       | 43%      | 49.2%          | 23.8%            |
| SAU801934     | STM101603       | 28%      | 81.0%          | 41.2%            |
| SAU801934     | SAU801934       | 100%     | 100%           | 100%             |
| SAU801934     | SEP200626       | 80%      | 98.4%          | 99.2%            |
| SAU801934     | SHA100898       | 78%      | 98.4%          | 98.4%            |
| SAU801934     | SMU101019       | 31%      | 88.9%          | 90.2%            |
| SAU801934     | SPN401557       | 32%      | 84.9%          | 87.6%            |
| SAU801934     | VCH102380       | 38%      | 50%            | 24.6%            |
| SAU801934     | YPS002665       | 38%      | 53.2%          | 26.3%            |
| SAU802004     | BAN101272       | 25%      | 94.7%          | 98.4%            |
| SAU802004     | BAN107130       | 26%      | 95.9%          | 98.7%            |
| SAU802004     | SAU801163       | 28%      | 89.6%          | 92.8%            |
| SAU802004     | SAU802419       | 29%      | 91.1%          | 92.2%            |
| SAU802004     | SAU801820       | 29%      | 84.9%          | 88.1%            |
| SAU802004     | SAU802420       | 30%      | 83.4%          | 85.7%            |
| SAU802004     | SAU802005       | 33%      | 90.5%          | 82.9%            |
| SAU802004     | SAU802421       | 40%      | 96.4%          | 97.2%            |
| SAU802004     | SAU801819       | 39%      | 95.6%          | 94.3%            |
| SAU802004     | SAU802004       | 100%     | 100%           | 100%             |
| SAU802004     | VCH100912       | 22%      | 30.2%          | 43.2%            |
| SAU802047     | ABA100982       | 31%      | 99.7%          | 97.5%            |
| SAU802047     | BAN106801       | 29%      | 95.3%          | 98.4%            |
| SAU802047     | BAN104276       | 47%      | 99.4%          | 99.7%            |
| SAU802047     | BFR103776       | 37%      | 93.6%          | 57.0%            |
| SAU802047     | BFR10042        | 34%      | 99.7%          | 99.1%            |
| SAU802047     | BCE113553       | 30%      | 99.7%          | 99.4%            |
| SAU802047     | BFU107062       | 30%      | 99.7%          | 99.4%            |
| SAU802047     | BMA104615       | 31%      | 99.7%          | 99.4%            |
| SAU802047     | CAC100348       | 38%      | 99.4%          | 99.1%            |
| SAU802047     | CBO100372       | 39%      | 99.7%          | 98.9%            |
| SAU802047     | CDF101542       | 40%      | 99.2%          | 99.7%            |
| SAU802047     | EBC102419       | 32%      | 43.6%          | 86.1%            |
| SAU802047     | EFA201584       | 46%      | 100%           | 98.9%            |
| SAU802047     | EFM201350       | 46%      | 100%           | 99.2%            |
| SAU802047     | ECO103275       | 31%      | 45.0%          | 87.8%            |
| SAU802047     | HIN100639       | 31%      | 87.7%          | 42.5%            |
| SAU802047     | KPN301152       | 31%      | 46.1%          | 88.9%            |
| SAU802047     | LMO101290       | 46%      | 100%           | 99.5%            |
| SAU802047     | MCA100657       | 31%      | 99.7%          | 99.7%            |
| SAU802047     | PMU101582       | 31%      | 86.3%          | 40.9%            |
| SAU802047     | PRT102660       | 31%      | 86.3%          | 40.7%            |
| SAU802047     | STY101770       | 32%      | 82.6%          | 37.6%            |
| SAU802047     | STM102482       | 32%      | 82.6%          | 37.6%            |
| SAU802047     | SAU802047       | 100%     | 100%           | 100%             |
| SAU802047     | SEP201282       | 79%      | 100%           | 100%             |
| SAU802047     | SHA101969       | 80%      | 100%           | 100%             |
| SAU802047     | SMU100319       | 45%      | 100%           | 99.7%            |
| SAU802047     | SPN401021       | 47%      | 100%           | 100%             |
| SAU802047     | SPY200774       | 44%      | 100%           | 99.7%            |
| SAU802049     | ABA100056       | 43%      | 85.9%          | 93.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802049     | BAN102312       | 39%      | 90.3%          | 92.4%            |
| SAU802049     | BAN108913       | 63%      | 98.5%          | 98.3%            |
| SAU802049     | BAN103034       | 63%      | 98.5%          | 100%             |
| SAU802049     | BFR100429       | 40%      | 96.8%          | 99.1%            |
| SAU802049     | BPT100362       | 42%      | 95.9%          | 86.6%            |
| SAU802049     | BBU100768       | 42%      | 96.2%          | 94.2%            |
| SAU802049     | BCE114776       | 43%      | 78.9%          | 86.2%            |
| SAU802049     | BFU102589       | 45%      | 91.5%          | 88.7%            |
| SAU802049     | BMA105419       | 44%      | 90.6%          | 88.0%            |
| SAU802049     | CJU101268       | 36%      | 93.8%          | 94.6%            |
| SAU802049     | CPN200562       | 40%      | 92.4%          | 92.4%            |
| SAU802049     | CTR200463       | 43%      | 91.8%          | 92.6%            |
| SAU802049     | CAC103068       | 52%      | 98.8%          | 99.7%            |
| SAU802049     | CBO100390       | 55%      | 98.8%          | 99.7%            |
| SAU802049     | CDF101563       | 53%      | 97.9%          | 96.6%            |
| SAU802049     | CDP100064       | 45%      | 92.7%          | 93.1%            |
| SAU802049     | EBC100417       | 42%      | 94.4%          | 96.1%            |
| SAU802049     | EFA200289       | 58%      | 98.5%          | 97.1%            |
| SAU802049     | EFM201462       | 58%      | 97.4%          | 98.8%            |
| SAU802049     | ECO102998       | 41%      | 97.9%          | 99.1%            |
| SAU802049     | HIN100509       | 44%      | 94.4%          | 95.6%            |
| SAU802049     | HPY101561       | 34%      | 93.8%          | 95.6%            |
| SAU802049     | KPN306799       | 37%      | 54.8%          | 97.9%            |
| SAU802049     | LPN103299       | 43%      | 83.6%          | 92.2%            |
| SAU802049     | LMO102931       | 59%      | 98.8%          | 98.5%            |
| SAU802049     | MCA101243       | 40%      | 94.1%          | 94.5%            |
| SAU802049     | MAV102882       | 48%      | 51.9%          | 97.3%            |
| SAU802049     | MBV101140       | 44%      | 92.1%          | 92.7%            |
| SAU802049     | MLP100243       | 44%      | 91.2%          | 90.3%            |
| SAU802049     | MTU203373       | 44%      | 92.1%          | 92.7%            |
| SAU802049     | MGE100046       | 33%      | 97.4%          | 100%             |
| SAU802049     | MPN100095       | 36%      | 97.4%          | 100%             |
| SAU802049     | NGO101700       | 40%      | 93.0%          | 94.9%            |
| SAU802049     | NME200611       | 39%      | 93.0%          | 94.9%            |
| SAU802049     | PMU101238       | 43%      | 97.9%          | 98.8%            |
| SAU802049     | PRT100528       | 41%      | 97.9%          | 98.2%            |
| SAU802049     | PAE200579       | 44%      | 90.0%          | 91.2%            |
| SAU802049     | PPU107523       | 45%      | 97.7%          | 98.8%            |
| SAU802049     | PSY103381       | 43%      | 98.2%          | 99.4%            |
| SAU802049     | SPA101473       | 35%      | 62.5%          | 89.4%            |
| SAU802049     | STY100806       | 41%      | 97.9%          | 99.1%            |
| SAU802049     | SAU802049       | 100%     | 100%           | 100%             |
| SAU802049     | SEP201284       | 80%      | 99.4%          | 98.3%            |
| SAU802049     | SHA101340       | 78%      | 100%           | 100%             |
| SAU802049     | SMU100718       | 53%      | 97.7%          | 98.5%            |
| SAU802049     | SPN400131       | 55%      | 97.1%          | 97.9%            |
| SAU802049     | SPY201441       | 53%      | 98.2%          | 97.4%            |
| SAU802049     | TPA100672       | 40%      | 92.1%          | 89.2%            |
| SAU802049     | UUR100415       | 37%      | 92.7%          | 96.6%            |
| SAU802049     | YPS001964       | 43%      | 90.0%          | 91.1%            |
| SAU802054     | ABA105924       | 43%      | 94.1%          | 98.4%            |
| SAU802054     | BAN113044       | 53%      | 93.0%          | 99.8%            |
| SAU802054     | BAN109521       | 54%      | 95.8%          | 99.5%            |
| SAU802054     | BFR10273        | 41%      | 89.1%          | 99.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802054     | BPT102555       | 42%      | 93.5%          | 98.2%            |
| SAU802054     | BCE111312       | 45%      | 93.4%          | 89.3%            |
| SAU802054     | BFU106339       | 44%      | 93.4%          | 95.1%            |
| SAU802054     | BMA108273       | 44%      | 93.4%          | 95.1%            |
| SAU802054     | CJU100535       | 44%      | 93.5%          | 97.7%            |
| SAU802054     | CAC100732       | 43%      | 93.5%          | 98.7%            |
| SAU802054     | CDF100458       | 43%      | 92.0%          | 97.3%            |
| SAU802054     | CDP100196       | 42%      | 93.7%          | 86.2%            |
| SAU802054     | EBC103122       | 42%      | 93.5%          | 99.3%            |
| SAU802054     | ECO100077       | 42%      | 94.1%          | 93.5%            |
| SAU802054     | HIN101552       | 43%      | 93.5%          | 97.6%            |
| SAU802054     | KPN302040       | 42%      | 93.5%          | 98.9%            |
| SAU802054     | LPN103264       | 22%      | 83.2%          | 83.5%            |
| SAU802054     | LMO101325       | 59%      | 96.6%          | 99.7%            |
| SAU802054     | MCA100916       | 43%      | 95.9%          | 94.6%            |
| SAU802054     | MAV101431       | 43%      | 93.7%          | 90.5%            |
| SAU802054     | MBV101317       | 43%      | 93.7%          | 91.1%            |
| SAU802054     | MLP101038       | 43%      | 95.1%          | 91.4%            |
| SAU802054     | MTU202965       | 43%      | 93.7%          | 91.1%            |
| SAU802054     | NGO101351       | 43%      | 93.5%          | 97.4%            |
| SAU802054     | NME201625       | 43%      | 93.5%          | 97.4%            |
| SAU802054     | PMU100870       | 43%      | 93.5%          | 97.6%            |
| SAU802054     | PRT105730       | 42%      | 93.5%          | 98.9%            |
| SAU802054     | PAE204692       | 41%      | 92.4%          | 96.7%            |
| SAU802054     | PPU111169       | 43%      | 87.3%          | 98.5%            |
| SAU802054     | PSY104459       | 41%      | 84.7%          | 98.3%            |
| SAU802054     | SPA102770       | 42%      | 93.5%          | 98.9%            |
| SAU802054     | STY102149       | 42%      | 93.5%          | 98.9%            |
| SAU802054     | STM101000       | 42%      | 93.5%          | 98.9%            |
| SAU802054     | SAU802054       | 100%     | 100%           | 100%             |
| SAU802054     | SEP201291       | 81%      | 94.1%          | 95.0%            |
| SAU802054     | SHA101346       | 79%      | 94.7%          | 94.4%            |
| SAU802054     | SMU101464       | 56%      | 94.9%          | 98.4%            |
| SAU802054     | SPN400401       | 54%      | 95.1%          | 98.6%            |
| SAU802054     | VCH102447       | 43%      | 94.1%          | 98.4%            |
| SAU802054     | YPS000964       | 41%      | 94.1%          | 98.4%            |
| SAU802055     | ABA105739       | 28%      | 88.1%          | 44.8%            |
| SAU802055     | BAN101552       | 40%      | 88.1%          | 43.8%            |
| SAU802055     | BFR103117       | 33%      | 67.9%          | 30.1%            |
| SAU802055     | BPT102556       | 24%      | 88.1%          | 44.8%            |
| SAU802055     | BCE113712       | 30%      | 96.4%          | 44.6%            |
| SAU802055     | BFU106342       | 31%      | 88.1%          | 44.8%            |
| SAU802055     | BMA102494       | 30%      | 96.4%          | 47.9%            |
| SAU802055     | CJU100536       | 28%      | 98.8%          | 53.9%            |
| SAU802055     | EBC101943       | 33%      | 88.1%          | 44.8%            |
| SAU802055     | ECO100078       | 32%      | 88.1%          | 44.8%            |
| SAU802055     | HIN101551       | 28%      | 88.1%          | 44.8%            |
| SAU802055     | KPN301558       | 31%      | 88.1%          | 42.2%            |
| SAU802055     | LMO101469       | 36%      | 97.6%          | 49.1%            |
| SAU802055     | MCA100917       | 26%      | 85.7%          | 39.4%            |
| SAU802055     | MAV101430       | 34%      | 86.9%          | 42.9%            |
| SAU802055     | MBV101315       | 34%      | 86.9%          | 42.9%            |
| SAU802055     | MTU202964       | 34%      | 86.9%          | 42.9%            |
| SAU802055     | NGO101348       | 29%      | 88.1%          | 44.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802055     | NME201624       | 29%      | 88.1%          | 44.8%            |
| SAU802055     | PMU100869       | 27%      | 88.1%          | 44.8%            |
| SAU802055     | PAE204691       | 27%      | 96.4%          | 46.0%            |
| SAU802055     | PPU100092       | 28%      | 96.4%          | 46.0%            |
| SAU802055     | PSY104460       | 27%      | 96.4%          | 46.0%            |
| SAU802055     | SPA102565       | 32%      | 88.1%          | 83.9%            |
| SAU802055     | STY103145       | 32%      | 88.1%          | 44.5%            |
| SAU802055     | STM102857       | 32%      | 88.1%          | 44.8%            |
| SAU802055     | SAU802055       | 100%     | 100%           | 100%             |
| SAU802055     | SEP204150       | 61%      | 89.3%          | 97.4%            |
| SAU802055     | SHA102434       | 62%      | 89.3%          | 93.8%            |
| SAU802055     | SMU101466       | 32%      | 96.4%          | 49.4%            |
| SAU802055     | SPN400402       | 30%      | 96.4%          | 47.6%            |
| SAU802055     | VCH102446       | 30%      | 89.3%          | 45.1%            |
| SAU802055     | YPS000965       | 31%      | 85.7%          | 43.3%            |
| SAU802056     | ABA105073       | 53%      | 98.5%          | 97.6%            |
| SAU802056     | BAN104049       | 60%      | 97.3%          | 99.7%            |
| SAU802056     | BAN109399       | 66%      | 98.8%          | 98.2%            |
| SAU802056     | BFR11737        | 36%      | 84.4%          | 82.4%            |
| SAU802056     | BPT102557       | 54%      | 98.5%          | 97.6%            |
| SAU802056     | BCE101787       | 57%      | 99.1%          | 98.5%            |
| SAU802056     | BFU106345       | 57%      | 99.1%          | 98.5%            |
| SAU802056     | BMA102817       | 57%      | 99.1%          | 98.5%            |
| SAU802056     | CJU100593       | 59%      | 98.8%          | 97.4%            |
| SAU802056     | CAC103323       | 56%      | 97.0%          | 96.4%            |
| SAU802056     | CDF103947       | 61%      | 98.2%          | 99.4%            |
| SAU802056     | CDP100202       | 58%      | 97.0%          | 96.4%            |
| SAU802056     | EBC102901       | 33%      | 94.0%          | 91.9%            |
| SAU802056     | EFM100577       | 60%      | 30.8%          | 98.1%            |
| SAU802056     | ECO103688       | 33%      | 94.0%          | 91.9%            |
| SAU802056     | HIN100663       | 31%      | 94.0%          | 91.9%            |
| SAU802056     | HPY100326       | 43%      | 95.2%          | 96.7%            |
| SAU802056     | KPN302041       | 33%      | 94.0%          | 91.9%            |
| SAU802056     | LMO100212       | 77%      | 98.2%          | 99.1%            |
| SAU802056     | MCA100918       | 54%      | 98.5%          | 97.1%            |
| SAU802056     | MAV101429       | 56%      | 97.0%          | 97.6%            |
| SAU802056     | MBV101313       | 56%      | 97.0%          | 97.6%            |
| SAU802056     | MLP101036       | 54%      | 98.8%          | 99.4%            |
| SAU802056     | MTU202963       | 56%      | 97.0%          | 97.6%            |
| SAU802056     | NGO101342       | 56%      | 98.5%          | 97.6%            |
| SAU802056     | NME201622       | 56%      | 98.5%          | 97.6%            |
| SAU802056     | PMU101284       | 32%      | 95.2%          | 92.9%            |
| SAU802056     | PRT103939       | 31%      | 95.2%          | 92.7%            |
| SAU802056     | PAE204690       | 56%      | 98.5%          | 97.6%            |
| SAU802056     | PPU100091       | 55%      | 98.5%          | 97.6%            |
| SAU802056     | PSY104461       | 55%      | 98.5%          | 97.6%            |
| SAU802056     | SPA103746       | 31%      | 62.3%          | 94.9%            |
| SAU802056     | STY102126       | 33%      | 94.0%          | 91.9%            |
| SAU802056     | STM101019       | 33%      | 94.0%          | 91.9%            |
| SAU802056     | SAU802056       | 100%     | 100%           | 100%             |
| SAU802056     | SEP201300       | 89%      | 100%           | 100%             |
| SAU802056     | SHA101347       | 88%      | 100%           | 100%             |
| SAU802056     | SMU101468       | 67%      | 96.4%          | 94.7%            |
| SAU802056     | SPN400403       | 68%      | 96.4%          | 94.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802056     | VCH100160       | 30%      | 95.2%          | 92.7%            |
| SAU802056     | YPS001623       | 32%      | 94.0%          | 91.9%            |
| SAU802059     | ABA104781       | 55%      | 98.9%          | 99.2%            |
| SAU802059     | BAN100313       | 64%      | 98.9%          | 100%             |
| SAU802059     | BAN100367       | 66%      | 99.3%          | 97.8%            |
| SAU802059     | BFR12153        | 48%      | 99.1%          | 99.6%            |
| SAU802059     | BPT101910       | 54%      | 99.1%          | 97.3%            |
| SAU802059     | BCE108881       | 54%      | 99.6%          | 99.8%            |
| SAU802059     | BFU100662       | 55%      | 98.5%          | 91.7%            |
| SAU802059     | BMA104026       | 54%      | 99.1%          | 61.9%            |
| SAU802059     | CJU101621       | 56%      | 99.3%          | 98.7%            |
| SAU802059     | CAC102015       | 36%      | 99.1%          | 98.8%            |
| SAU802059     | CDF100900       | 33%      | 99.8%          | 100%             |
| SAU802059     | CDP100261       | 54%      | 97.1%          | 94.8%            |
| SAU802059     | EBC102532       | 55%      | 99.6%          | 100%             |
| SAU802059     | ECO100072       | 54%      | 99.6%          | 99.8%            |
| SAU802059     | HIN100969       | 54%      | 100%           | 99.8%            |
| SAU802059     | HPY100766       | 25%      | 75.2%          | 40.9%            |
| SAU802059     | KPN301553       | 54%      | 99.6%          | 99.8%            |
| SAU802059     | LMO100765       | 75%      | 100%           | 98.9%            |
| SAU802059     | MCA100223       | 54%      | 98.9%          | 99.2%            |
| SAU802059     | MAV108159       | 54%      | 97.4%          | 95.8%            |
| SAU802059     | MBV102077       | 52%      | 97.4%          | 96.4%            |
| SAU802059     | MLP101031       | 54%      | 97.8%          | 95.3%            |
| SAU802059     | MTU202950       | 52%      | 97.4%          | 96.4%            |
| SAU802059     | NGO101165       | 54%      | 98.7%          | 98.7%            |
| SAU802059     | NME201321       | 54%      | 98.7%          | 98.7%            |
| SAU802059     | PMU101960       | 54%      | 99.6%          | 99.4%            |
| SAU802059     | PRT101170       | 56%      | 99.1%          | 98.7%            |
| SAU802059     | PAE203119       | 55%      | 99.6%          | 99.4%            |
| SAU802059     | PPU103214       | 55%      | 99.6%          | 98.5%            |
| SAU802059     | PSY104878       | 55%      | 99.3%          | 98.7%            |
| SAU802059     | SPA102560       | 54%      | 97.4%          | 100%             |
| SAU802059     | STY103139       | 54%      | 99.6%          | 99.8%            |
| SAU802059     | STM104156       | 45%      | 99.3%          | 98.5%            |
| SAU802059     | SAU802059       | 100%     | 100%           | 100%             |
| SAU802059     | SEP201303       | 89%      | 100%           | 100%             |
| SAU802059     | SHA102193       | 80%      | 59.9%          | 100%             |
| SAU802059     | SMU100436       | 65%      | 99.3%          | 98.5%            |
| SAU802059     | VCH102456       | 55%      | 98.9%          | 98.9%            |
| SAU802059     | YPS000958       | 55%      | 99.1%          | 97.3%            |
| SAU802063     | ABA100497       | 40%      | 98.7%          | 90.4%            |
| SAU802063     | BAN103890       | 51%      | 97.2%          | 98.3%            |
| SAU802063     | BAN110897       | 57%      | 99.4%          | 99.2%            |
| SAU802063     | BFR10814        | 49%      | 35.3%          | 87.7%            |
| SAU802063     | BFR10451        | 47%      | 97.1%          | 97.5%            |
| SAU802063     | BPT101858       | 42%      | 96.8%          | 89.3%            |
| SAU802063     | BCE100683       | 42%      | 98.9%          | 88.0%            |
| SAU802063     | BFU102354       | 43%      | 98.9%          | 91.8%            |
| SAU802063     | BMA107964       | 43%      | 98.9%          | 87.3%            |
| SAU802063     | CAC102993       | 53%      | 98.2%          | 98.7%            |
| SAU802063     | CBO101100       | 50%      | 98.6%          | 98.8%            |
| SAU802063     | CDF101569       | 52%      | 98.6%          | 99.0%            |
| SAU802063     | CDP101150       | 43%      | 98.3%          | 92.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802063     | EBC103842       | 42%      | 99.3%          | 92.5%            |
| SAU802063     | EFA200142       | 56%      | 99.2%          | 98.4%            |
| SAU802063     | EFM202462       | 56%      | 99.7%          | 99.2%            |
| SAU802063     | ECO103330       | 42%      | 94.8%          | 92.7%            |
| SAU802063     | HIN100547       | 42%      | 99.3%          | 94.4%            |
| SAU802063     | KPN300029       | 38%      | 25.3%          | 96.1%            |
| SAU802063     | KPN307162       | 42%      | 99.3%          | 92.5%            |
| SAU802063     | LPN100520       | 41%      | 98.2%          | 89.6%            |
| SAU802063     | LMO101697       | 57%      | 99.9%          | 99.0%            |
| SAU802063     | MCA100121       | 39%      | 99.3%          | 88.6%            |
| SAU802063     | NGO101872       | 42%      | 96.8%          | 91.4%            |
| SAU802063     | NME200185       | 42%      | 96.8%          | 91.4%            |
| SAU802063     | PMU101448       | 42%      | 99.3%          | 90.9%            |
| SAU802063     | PRT102821       | 42%      | 99.3%          | 92.4%            |
| SAU802063     | PAE205196       | 42%      | 96.9%          | 90.0%            |
| SAU802063     | PPU110008       | 42%      | 98.6%          | 92.2%            |
| SAU802063     | PSY103044       | 42%      | 98.6%          | 92.4%            |
| SAU802063     | SPA103543       | 41%      | 98.2%          | 99.9%            |
| SAU802063     | STY101364       | 42%      | 99.3%          | 92.5%            |
| SAU802063     | STM102920       | 42%      | 99.3%          | 92.6%            |
| SAU802063     | SAU802063       | 100%     | 100%           | 100%             |
| SAU802063     | SEP201321       | 76%      | 100%           | 100%             |
| SAU802063     | SHA100107       | 86%      | 42.7%          | 100%             |
| SAU802063     | SMU100019       | 49%      | 99.6%          | 99.6%            |
| SAU802063     | SPN400808       | 51%      | 97.6%          | 96.6%            |
| SAU802063     | SPY200418       | 49%      | 100%           | 99.7%            |
| SAU802063     | TPA100914       | 42%      | 99.2%          | 90.0%            |
| SAU802063     | UUR100027       | 41%      | 99.3%          | 99.7%            |
| SAU802063     | VCH102678       | 42%      | 99.3%          | 93.0%            |
| SAU802063     | YPS001556       | 41%      | 99.3%          | 90.8%            |
| SAU802070     | ABA104714       | 34%      | 93.5%          | 98.0%            |
| SAU802070     | BAN108606       | 28%      | 74.1%          | 73.6%            |
| SAU802070     | BAN113034       | 40%      | 95.3%          | 94.6%            |
| SAU802070     | BFR100168       | 31%      | 94.0%          | 43.0%            |
| SAU802070     | BPT100200       | 30%      | 88.7%          | 90.1%            |
| SAU802070     | BBU100159       | 28%      | 93.7%          | 96.2%            |
| SAU802070     | BCE100962       | 30%      | 85.9%          | 93.2%            |
| SAU802070     | BCE103071       | 30%      | 91.4%          | 95.5%            |
| SAU802070     | BFU105069       | 28%      | 92.4%          | 96.6%            |
| SAU802070     | BMA104109       | 30%      | 91.4%          | 95.5%            |
| SAU802070     | CJU100836       | 28%      | 87.4%          | 91.2%            |
| SAU802070     | CAC101046       | 27%      | 93.2%          | 90.9%            |
| SAU802070     | CAC102016       | 38%      | 95.5%          | 96.1%            |
| SAU802070     | CBO102786       | 36%      | 95.5%          | 94.3%            |
| SAU802070     | CDF103831       | 37%      | 97.6%          | 97.1%            |
| SAU802070     | CDP100053       | 31%      | 93.2%          | 94.5%            |
| SAU802070     | EBC104213       | 32%      | 95.3%          | 99.7%            |
| SAU802070     | EFA200474       | 38%      | 95.5%          | 98.9%            |
| SAU802070     | EFM101678       | 32%      | 94.2%          | 100%             |
| SAU802070     | ECO103947       | 32%      | 95.3%          | 99.7%            |
| SAU802070     | HIN101543       | 32%      | 95.3%          | 99.2%            |
| SAU802070     | HPY100925       | 33%      | 94.8%          | 98.9%            |
| SAU802070     | KPN308841       | 32%      | 95.3%          | 99.7%            |
| SAU802070     | LPN103528       | 31%      | 56.5%          | 99.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802070     | LMO100444       | 40%      | 95.3%          | 98.4%            |
| SAU802070     | MCA100312       | 29%      | 95.3%          | 97.4%            |
| SAU802070     | MAV105645       | 33%      | 93.7%          | 93.4%            |
| SAU802070     | MBV101134       | 32%      | 94.8%          | 99.7%            |
| SAU802070     | MLP100239       | 31%      | 93.7%          | 94.1%            |
| SAU802070     | MTU203377       | 32%      | 94.8%          | 90.4%            |
| SAU802070     | NGO101532       | 33%      | 93.2%          | 97.7%            |
| SAU802070     | NME201757       | 33%      | 93.2%          | 97.7%            |
| SAU802070     | PMU100413       | 33%      | 92.7%          | 96.4%            |
| SAU802070     | PRT101882       | 32%      | 95.3%          | 99.2%            |
| SAU802070     | PAE204925       | 33%      | 94.8%          | 99.2%            |
| SAU802070     | PPU103159       | 34%      | 94.8%          | 98.9%            |
| SAU802070     | PSY101164       | 33%      | 95.3%          | 99.4%            |
| SAU802070     | SPA101756       | 31%      | 94.0%          | 98.6%            |
| SAU802070     | STY102270       | 31%      | 95.3%          | 99.7%            |
| SAU802070     | STM102809       | 31%      | 95.3%          | 99.7%            |
| SAU802070     | SAU802070       | 100%     | 100%           | 100%             |
| SAU802070     | SEP201329       | 70%      | 100%           | 100%             |
| SAU802070     | SHA101048       | 68%      | 100%           | 100%             |
| SAU802070     | SMU101166       | 39%      | 98.2%          | 99.7%            |
| SAU802070     | SPN401539       | 38%      | 93.5%          | 94.9%            |
| SAU802070     | SPY201387       | 37%      | 96.3%          | 100%             |
| SAU802070     | TPA100673       | 33%      | 86.6%          | 96.4%            |
| SAU802070     | VCH100367       | 33%      | 96.3%          | 96.3%            |
| SAU802070     | YPS002811       | 31%      | 94.8%          | 98.9%            |
| SAU802071     | BAN108531       | 48%      | 22.7%          | 35.1%            |
| SAU802071     | BAN107463       | 51%      | 99.2%          | 99.2%            |
| SAU802071     | BPT102423       | 32%      | 96.6%          | 83.7%            |
| SAU802071     | BBU100010       | 30%      | 93.3%          | 96.8%            |
| SAU802071     | BCE113308       | 32%      | 98.3%          | 90.3%            |
| SAU802071     | BFU105262       | 28%      | 95.8%          | 80.4%            |
| SAU802071     | BMA102365       | 33%      | 95.8%          | 88.8%            |
| SAU802071     | CJU101328       | 33%      | 92.4%          | 97.4%            |
| SAU802071     | CPN200439       | 37%      | 95.0%          | 95.9%            |
| SAU802071     | CTR200370       | 35%      | 94.1%          | 93.6%            |
| SAU802071     | CAC100902       | 37%      | 96.6%          | 98.4%            |
| SAU802071     | CBO101228       | 39%      | 96.6%          | 97.6%            |
| SAU802071     | CDF100783       | 40%      | 94.1%          | 94.4%            |
| SAU802071     | CDP101322       | 31%      | 92.4%          | 96.9%            |
| SAU802071     | EBC102618       | 37%      | 95.8%          | 97.6%            |
| SAU802071     | EFA203222       | 48%      | 96.6%          | 98.3%            |
| SAU802071     | ECO102514       | 38%      | 95.8%          | 97.6%            |
| SAU802071     | HPY100795       | 34%      | 95.0%          | 97.5%            |
| SAU802071     | KPN303138       | 38%      | 95.8%          | 97.6%            |
| SAU802071     | LMO100718       | 46%      | 96.6%          | 99.2%            |
| SAU802071     | MAV106414       | 25%      | 95.8%          | 96.9%            |
| SAU802071     | MBV101363       | 25%      | 95.8%          | 96.9%            |
| SAU802071     | MLP100741       | 28%      | 95.8%          | 96.9%            |
| SAU802071     | MTU202486       | 25%      | 95.8%          | 96.9%            |
| SAU802071     | MGE100215       | 34%      | 53.8%          | 55.3%            |
| SAU802071     | MPN100538       | 36%      | 54.6%          | 55.5%            |
| SAU802071     | NGO101699       | 41%      | 77.3%          | 72%              |
| SAU802071     | NME201879       | 36%      | 97.5%          | 100%             |
| SAU802071     | PRT105767       | 40%      | 96.6%          | 98.4%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802071     | SPA103323       | 39%      | 95.8%          | 97.6%            |
| SAU802071     | STY102100       | 39%      | 95.8%          | 97.6%            |
| SAU802071     | SAU802071       | 100%     | 100%           | 100%             |
| SAU802071     | SEP201331       | 70%      | 98.3%          | 99.1%            |
| SAU802071     | SHA101047       | 75%      | 97.5%          | 98.3%            |
| SAU802071     | SMU101169       | 34%      | 98.3%          | 98.3%            |
| SAU802071     | SPN401540       | 37%      | 98.3%          | 97.5%            |
| SAU802071     | SPY201388       | 41%      | 96.6%          | 97.5%            |
| SAU802071     | TPA100819       | 32%      | 96.6%          | 96.8%            |
| SAU802071     | UUR100396       | 32%      | 95.0%          | 92.2%            |
| SAU802071     | VCH102421       | 41%      | 97.5%          | 99.2%            |
| SAU802071     | YPS003414       | 34%      | 95.8%          | 97.6%            |
| SAU802075     | ABA101351       | 40%      | 98.4%          | 91.5%            |
| SAU802075     | BPT102678       | 39%      | 97.8%          | 93.5%            |
| SAU802075     | EBC100703       | 36%      | 99.5%          | 99.0%            |
| SAU802075     | ECO100679       | 36%      | 100%           | 100%             |
| SAU802075     | KPN302575       | 37%      | 100%           | 99.5%            |
| SAU802075     | PPU106278       | 36%      | 97.3%          | 97.8%            |
| SAU802075     | STY101873       | 39%      | 97.8%          | 95.4%            |
| SAU802075     | SAU802075       | 100%     | 100%           | 100%             |
| SAU802075     | YPS001486       | 39%      | 97.8%          | 93%              |
| SAU802076     | ABA101353       | 55%      | 99.6%          | 99.0%            |
| SAU802076     | BAN101555       | 47%      | 99.3%          | 100%             |
| SAU802076     | BAN105989       | 60%      | 99.3%          | 96.1%            |
| SAU802076     | BFR10818        | 54%      | 98.8%          | 98.5%            |
| SAU802076     | BPT102676       | 51%      | 99.0%          | 95.3%            |
| SAU802076     | BFU106360       | 57%      | 45.9%          | 97.8%            |
| SAU802076     | BMA100646       | 54%      | 98.4%          | 94.4%            |
| SAU802076     | CJU100628       | 59%      | 98.5%          | 97.7%            |
| SAU802076     | CAC103333       | 61%      | 98.8%          | 97.8%            |
| SAU802076     | CDF103879       | 61%      | 99.0%          | 97.4%            |
| SAU802076     | EBC100702       | 55%      | 54.8%          | 99.2%            |
| SAU802076     | EFA201049       | 54%      | 97.8%          | 98.8%            |
| SAU802076     | EFM100911       | 24%      | 86.5%          | 76.0%            |
| SAU802076     | ECO100680       | 55%      | 98.4%          | 97.9%            |
| SAU802076     | KPN302573       | 54%      | 97.9%          | 97.5%            |
| SAU802076     | LMO102824       | 55%      | 97.3%          | 97.9%            |
| SAU802076     | MAV101812       | 53%      | 96.4%          | 93.4%            |
| SAU802076     | MBV104268       | 53%      | 98.4%          | 95.3%            |
| SAU802076     | MTU201019       | 53%      | 98.4%          | 95.2%            |
| SAU802076     | PRT102410       | 53%      | 98.4%          | 98.4%            |
| SAU802076     | PAE201633       | 54%      | 97.2%          | 94.5%            |
| SAU802076     | PPU106277       | 54%      | 97.2%          | 98.9%            |
| SAU802076     | PSY105755       | 55%      | 97.2%          | 94.2%            |
| SAU802076     | SPA100439       | 44%      | 95.6%          | 98.8%            |
| SAU802076     | STY101874       | 58%      | 16.4%          | 0.7%             |
| SAU802076     | SAU800073       | 71%      | 100%           | 100%             |
| SAU802076     | SAU802076       | 100%     | 100%           | 100%             |
| SAU802076     | SEP200654       | 71%      | 100%           | 100%             |
| SAU802076     | YPS001489       | 55%      | 99.3%          | 98.8%            |
| SAU802081     | ABA101163       | 40%      | 70.4%          | 60%              |
| SAU802081     | BAN102211       | 42%      | 95.3%          | 99.4%            |
| SAU802081     | BAN103847       | 50%      | 98.4%          | 95.5%            |
| SAU802081     | BFR10255        | 37%      | 88.7%          | 72.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802081     | BPT100457       | 40%      | 71.7%          | 64.3%            |
| SAU802081     | BCE107115       | 39%      | 76.1%          | 93.7%            |
| SAU802081     | BFU107954       | 39%      | 74.3%          | 81.6%            |
| SAU802081     | BMA103404       | 40%      | 75.1%          | 84.7%            |
| SAU802081     | CAC103020       | 44%      | 83.6%          | 80.7%            |
| SAU802081     | CBO102910       | 46%      | 81.8%          | 84.3%            |
| SAU802081     | CDF103369       | 41%      | 88.9%          | 84.0%            |
| SAU802081     | CDP101075       | 39%      | 92.3%          | 83.7%            |
| SAU802081     | EBC103897       | 40%      | 90.3%          | 73.9%            |
| SAU802081     | EFA200476       | 49%      | 97.0%          | 96.5%            |
| SAU802081     | EFM201829       | 50%      | 95.7%          | 99.6%            |
| SAU802081     | ECO103094       | 39%      | 92.5%          | 73.2%            |
| SAU802081     | HIN100222       | 37%      | 93.3%          | 76.0%            |
| SAU802081     | HPY100243       | 35%      | 92.7%          | 95.5%            |
| SAU802081     | KPN300133       | 44%      | 29.1%          | 99.3%            |
| SAU802081     | KPN301427       | 39%      | 92.1%          | 73.9%            |
| SAU802081     | LPN103085       | 38%      | 97.6%          | 84.6%            |
| SAU802081     | LMO100391       | 50%      | 98.4%          | 98.1%            |
| SAU802081     | MCA100979       | 33%      | 97.0%          | 85.5%            |
| SAU802081     | MAV100272       | 39%      | 87.4%          | 78.1%            |
| SAU802081     | MBV105490       | 38%      | 90.7%          | 79.4%            |
| SAU802081     | MLP100490       | 32%      | 92.5%          | 90.3%            |
| SAU802081     | MTU201236       | 38%      | 90.7%          | 79.4%            |
| SAU802081     | MGE100435       | 32%      | 71.3%          | 82.2%            |
| SAU802081     | MPN100219       | 34%      | 72.1%          | 83.1%            |
| SAU802081     | NGO101914       | 38%      | 71.1%          | 87.4%            |
| SAU802081     | NME201494       | 38%      | 71.1%          | 80.5%            |
| SAU802081     | PMU101112       | 39%      | 93.3%          | 76.4%            |
| SAU802081     | PRT102432       | 39%      | 90.7%          | 75.1%            |
| SAU802081     | PAE202838       | 39%      | 90.7%          | 81.5%            |
| SAU802081     | PPU101891       | 40%      | 90.1%          | 79.8%            |
| SAU802081     | PSY103180       | 39%      | 91.7%          | 81.9%            |
| SAU802081     | SPA101061       | 40%      | 79.4%          | 86.7%            |
| SAU802081     | STY100977       | 39%      | 92.5%          | 73.2%            |
| SAU802081     | STM102125       | 37%      | 72.5%          | 82.2%            |
| SAU802081     | SAU802081       | 100%     | 100%           | 100%             |
| SAU802081     | SEP201342       | 87%      | 100%           | 100%             |
| SAU802081     | SHA100953       | 87%      | 100%           | 100%             |
| SAU802081     | SMU100751       | 48%      | 97.2%          | 95.9%            |
| SAU802081     | SPN401439       | 47%      | 96.2%          | 96.6%            |
| SAU802081     | SPY201084       | 46%      | 98.2%          | 94.4%            |
| SAU802081     | TPA100762       | 38%      | 84.0%          | 65.6%            |
| SAU802081     | VCH103524       | 36%      | 99.2%          | 72.2%            |
| SAU802081     | YPS001037       | 39%      | 92.7%          | 71.7%            |
| SAU802082     | ABA100930       | 31%      | 96.0%          | 93.3%            |
| SAU802082     | BAN107253       | 30%      | 74.6%          | 76.8%            |
| SAU802082     | BAN102625       | 49%      | 36.5%          | 67.5%            |
| SAU802082     | BAN103946       | 49%      | 37.2%          | 98.2%            |
| SAU802082     | BAN106298       | 45%      | 99.6%          | 99.8%            |
| SAU802082     | BFR103444       | 40%      | 44.7%          | 86.4%            |
| SAU802082     | BPT104540       | 34%      | 22.1%          | 40%              |
| SAU802082     | BBU100303       | 28%      | 94.5%          | 94.4%            |
| SAU802082     | BCE104414       | 30%      | 81.6%          | 97.7%            |
| SAU802082     | BFU100824       | 30%      | 94.5%          | 91.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802082     | BMA104638       | 31%      | 99.6%          | 97.2%            |
| SAU802082     | CJU100734       | 26%      | 60.2%          | 55.2%            |
| SAU802082     | CPN200950       | 29%      | 97.1%          | 98.2%            |
| SAU802082     | CTR200132       | 28%      | 96.2%          | 94.5%            |
| SAU802082     | CAC101153       | 41%      | 93.8%          | 93.4%            |
| SAU802082     | CBO102608       | 39%      | 99.6%          | 98.7%            |
| SAU802082     | CDF103288       | 38%      | 94.7%          | 94.7%            |
| SAU802082     | CDP101279       | 29%      | 93.8%          | 93.8%            |
| SAU802082     | EBC102572       | 33%      | 99.6%          | 98.7%            |
| SAU802082     | EFA200478       | 42%      | 94.2%          | 94.1%            |
| SAU802082     | EFM201777       | 39%      | 99.3%          | 99.1%            |
| SAU802082     | ECO100086       | 31%      | 99.6%          | 98.7%            |
| SAU802082     | HIN101108       | 33%      | 94.7%          | 94.1%            |
| SAU802082     | HPY100728       | 25%      | 59.3%          | 52.9%            |
| SAU802082     | KPN301858       | 31%      | 99.6%          | 98.7%            |
| SAU802082     | LMO101402       | 41%      | 95.8%          | 95.6%            |
| SAU802082     | MCA100820       | 31%      | 92.7%          | 91.5%            |
| SAU802082     | MAV103997       | 26%      | 59.1%          | 91.1%            |
| SAU802082     | MLP100565       | 26%      | 99.8%          | 98.6%            |
| SAU802082     | MTU202123       | 28%      | 100%           | 98.2%            |
| SAU802082     | NGO100600       | 35%      | 94.7%          | 98.4%            |
| SAU802082     | NME201912       | 34%      | 94.7%          | 94.9%            |
| SAU802082     | PMU100138       | 32%      | 99.6%          | 98.7%            |
| SAU802082     | PRT102642       | 34%      | 98.7%          | 97.2%            |
| SAU802082     | PAE204414       | 32%      | 93.8%          | 92.8%            |
| SAU802082     | PPU111733       | 35%      | 93.6%          | 92.5%            |
| SAU802082     | PSY103854       | 35%      | 93.8%          | 93.6%            |
| SAU802082     | SPA102755       | 32%      | 99.6%          | 98.7%            |
| SAU802082     | STY103172       | 32%      | 99.6%          | 98.7%            |
| SAU802082     | STM102864       | 32%      | 99.6%          | 98.7%            |
| SAU802082     | SAU802082       | 100%     | 100%           | 100%             |
| SAU802082     | SEP201343       | 71%      | 99.8%          | 100%             |
| SAU802082     | SHA100952       | 73%      | 99.8%          | 100%             |
| SAU802082     | SMU100741       | 37%      | 99.3%          | 99.6%            |
| SAU802082     | SPN401513       | 33%      | 95.1%          | 94.5%            |
| SAU802082     | SPY201087       | 38%      | 94.5%          | 92.7%            |
| SAU802082     | TPA100382       | 32%      | 92.9%          | 92.6%            |
| SAU802082     | VCH102370       | 33%      | 99.6%          | 98.9%            |
| SAU802082     | YPS000994       | 32%      | 99.6%          | 98.7%            |
| SAU802083     | ABA100626       | 31%      | 94.9%          | 96.1%            |
| SAU802083     | BAN104177       | 35%      | 86.5%          | 99.7%            |
| SAU802083     | BAN100572       | 50%      | 96.9%          | 99.7%            |
| SAU802083     | BFR105381       | 28%      | 94.7%          | 98.8%            |
| SAU802083     | BPT102997       | 31%      | 93.0%          | 92.7%            |
| SAU802083     | BBU100199       | 36%      | 96.3%          | 98.0%            |
| SAU802083     | BCE105651       | 28%      | 94.1%          | 95.2%            |
| SAU802083     | BFU100405       | 31%      | 94.1%          | 94.3%            |
| SAU802083     | BMA105987       | 32%      | 69.9%          | 81.3%            |
| SAU802083     | CJU100737       | 29%      | 86.5%          | 87.0%            |
| SAU802083     | CPN200944       | 32%      | 97.5%          | 42.5%            |
| SAU802083     | CTR100467       | 31%      | 97.8%          | 42.7%            |
| SAU802083     | CAC100277       | 44%      | 96.3%          | 99.1%            |
| SAU802083     | CBO101170       | 28%      | 94.9%          | 98.3%            |
| SAU802083     | CDF102256       | 34%      | 95.5%          | 99.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802083     | CDP100271       | 37%      | 94.4%          | 94.5%            |
| SAU802083     | EBC102757       | 43%      | 96.9%          | 96.7%            |
| SAU802083     | EFA200480       | 47%      | 95.2%          | 98.9%            |
| SAU802083     | EFM201399       | 47%      | 96.6%          | 97.5%            |
| SAU802083     | ECO100373       | 42%      | 96.9%          | 97.3%            |
| SAU802083     | HIN101114       | 30%      | 95.8%          | 99.0%            |
| SAU802083     | HPY100726       | 27%      | 97.2%          | 99.1%            |
| SAU802083     | KPN306468       | 42%      | 96.9%          | 97.3%            |
| SAU802083     | LPN102747       | 35%      | 93.0%          | 98.0%            |
| SAU802083     | LMO102338       | 48%      | 99.4%          | 99.5%            |
| SAU802083     | MCA100898       | 29%      | 93.5%          | 86.8%            |
| SAU802083     | MAV101441       | 36%      | 95.2%          | 96.5%            |
| SAU802083     | MBV102041       | 36%      | 94.4%          | 98.6%            |
| SAU802083     | MLP101024       | 38%      | 95.2%          | 93.8%            |
| SAU802083     | MTU202943       | 36%      | 95.2%          | 95.4%            |
| SAU802083     | NGO100582       | 29%      | 94.4%          | 97.0%            |
| SAU802083     | NME201904       | 29%      | 94.4%          | 97.0%            |
| SAU802083     | PMU100144       | 30%      | 96.3%          | 98.7%            |
| SAU802083     | PRT104171       | 43%      | 100%           | 99.7%            |
| SAU802083     | PAE204198       | 30%      | 97.8%          | 98.0%            |
| SAU802083     | PPU100215       | 35%      | 95.2%          | 96.9%            |
| SAU802083     | PSY105197       | 47%      | 77.2%          | 83.8%            |
| SAU802083     | SPA103191       | 43%      | 96.9%          | 97.2%            |
| SAU802083     | STY104599       | 43%      | 96.9%          | 97.3%            |
| SAU802083     | STM102890       | 32%      | 94.9%          | 99.0%            |
| SAU802083     | SAU802083       | 100%     | 100%           | 100%             |
| SAU802083     | SEP201344       | 86%      | 100%           | 99.7%            |
| SAU802083     | SHA100951       | 84%      | 100%           | 100%             |
| SAU802083     | SMU100736       | 47%      | 98.6%          | 99.4%            |
| SAU802083     | SPN401514       | 46%      | 97.5%          | 98.6%            |
| SAU802083     | SPY201088       | 45%      | 98.6%          | 99.4%            |
| SAU802083     | TPA100662       | 37%      | 95.5%          | 88.4%            |
| SAU802083     | VCH103296       | 29%      | 94.9%          | 97.6%            |
| SAU802083     | YPS001018       | 35%      | 94.9%          | 99.0%            |
| SAU802087     | ABA104996       | 31%      | 85.6%          | 87.9%            |
| SAU802087     | BAN100950       | 43%      | 73.2%          | 84.5%            |
| SAU802087     | BAN106687       | 42%      | 91.8%          | 89%              |
| SAU802087     | BCE103740       | 37%      | 83.5%          | 89.0%            |
| SAU802087     | BFU100478       | 34%      | 90.7%          | 97.8%            |
| SAU802087     | CAC102114       | 38%      | 75.3%          | 76.8%            |
| SAU802087     | CBO100308       | 38%      | 91.8%          | 97.8%            |
| SAU802087     | CDF100513       | 40%      | 99.0%          | 100%             |
| SAU802087     | EBC103158       | 38%      | 61.9%          | 65.9%            |
| SAU802087     | ECO102064       | 31%      | 90.7%          | 97.8%            |
| SAU802087     | KPN302400       | 23%      | 90.7%          | 77.2%            |
| SAU802087     | LMO101992       | 41%      | 82.5%          | 81.4%            |
| SAU802087     | MAV104011       | 47%      | 97.9%          | 87.4%            |
| SAU802087     | MBV102694       | 56%      | 74.2%          | 75%              |
| SAU802087     | MLP101543       | 51%      | 81.4%          | 58.5%            |
| SAU802087     | MTU200189       | 56%      | 74.2%          | 75%              |
| SAU802087     | PAE201297       | 35%      | 84.5%          | 90.1%            |
| SAU802087     | PPU106096       | 31%      | 80.4%          | 83.2%            |
| SAU802087     | PSY106346       | 28%      | 99.0%          | 97.9%            |
| SAU802087     | SPA103443       | 30%      | 90.7%          | 97.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802087     | STY104085       | 31%      | 90.7%          | 97.8%            |
| SAU802087     | SAU802087       | 100%     | 100%           | 100%             |
| SAU802087     | SEP201349       | 84%      | 100%           | 100%             |
| SAU802087     | SHA100794       | 87%      | 100%           | 100%             |
| SAU802090     | ABA100996       | 31%      | 68.6%          | 31.4%            |
| SAU802090     | BAN110101       | 33%      | 42.8%          | 98.4%            |
| SAU802090     | BAN111360       | 27%      | 84.1%          | 92.3%            |
| SAU802090     | BAN113573       | 32%      | 84.1%          | 92.5%            |
| SAU802090     | BFR11357        | 28%      | 69.3%          | 33.3%            |
| SAU802090     | BPT100635       | 24%      | 70.7%          | 33.4%            |
| SAU802090     | BBU100441       | 25%      | 67.6%          | 36.9%            |
| SAU802090     | BCE114096       | 27%      | 70%            | 34.9%            |
| SAU802090     | BFU101036       | 27%      | 66.2%          | 32.1%            |
| SAU802090     | BMA108265       | 29%      | 66.2%          | 31.7%            |
| SAU802090     | CJU100888       | 31%      | 77.2%          | 39.6%            |
| SAU802090     | CPN200442       | 29%      | 72.1%          | 27.3%            |
| SAU802090     | CTR200515       | 30%      | 71.7%          | 27.4%            |
| SAU802090     | CAC102265       | 31%      | 82.1%          | 87.8%            |
| SAU802090     | CBO101415       | 31%      | 73.8%          | 92.6%            |
| SAU802090     | CDF102839       | 31%      | 70.7%          | 89.4%            |
| SAU802090     | CDP101656       | 29%      | 33.8%          | 27.1%            |
| SAU802090     | EBC104228       | 29%      | 65.2%          | 32.0%            |
| SAU802090     | EFA200401       | 37%      | 86.2%          | 80%              |
| SAU802090     | EFM202652       | 32%      | 95.9%          | 97.7%            |
| SAU802090     | ECO103626       | 29%      | 70.7%          | 34.5%            |
| SAU802090     | HIN100982       | 29%      | 70%            | 34.4%            |
| SAU802090     | HPY101429       | 29%      | 71.0%          | 35.1%            |
| SAU802090     | KPN302215       | 28%      | 65.2%          | 32.6%            |
| SAU802090     | LMO100776       | 36%      | 92.8%          | 98.5%            |
| SAU802090     | MCA103022       | 33%      | 71.4%          | 35.1%            |
| SAU802090     | MAV100557       | 30%      | 38.6%          | 28.6%            |
| SAU802090     | MBV106261       | 30%      | 38.6%          | 27.6%            |
| SAU802090     | MLP101603       | 29%      | 38.6%          | 26.6%            |
| SAU802090     | MTU203866       | 30%      | 38.6%          | 27.6%            |
| SAU802090     | MGE100473       | 23%      | 80.3%          | 67.8%            |
| SAU802090     | MPN100162       | 22%      | 69.7%          | 57.4%            |
| SAU802090     | NGO101427       | 32%      | 72.4%          | 36.1%            |
| SAU802090     | NME200508       | 31%      | 72.4%          | 36.1%            |
| SAU802090     | PMU101165       | 29%      | 70%            | 34.4%            |
| SAU802090     | PRT103088       | 27%      | 65.2%          | 32.7%            |
| SAU802090     | PAE205563       | 27%      | 72.8%          | 34.3%            |
| SAU802090     | PPU103675       | 26%      | 73.1%          | 35.5%            |
| SAU802090     | PSY103555       | 26%      | 65.2%          | 31.0%            |
| SAU802090     | SPA101311       | 29%      | 70.7%          | 35.4%            |
| SAU802090     | STY103946       | 28%      | 70.7%          | 34.5%            |
| SAU802090     | STM100542       | 28%      | 70.7%          | 34.5%            |
| SAU802090     | SAU802090       | 100%     | 100%           | 100%             |
| SAU802090     | SEP201891       | 83%      | 100%           | 100%             |
| SAU802090     | SHA100992       | 74%      | 59.3%          | 100%             |
| SAU802090     | SMU100510       | 35%      | 96.9%          | 91.9%            |
| SAU802090     | SPN401788       | 29%      | 100%           | 95.8%            |
| SAU802090     | SPY200255       | 35%      | 81.0%          | 75.2%            |
| SAU802090     | TPA100939       | 25%      | 70.7%          | 31.9%            |
| SAU802090     | UUR100609       | 22%      | 77.2%          | 64.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802090     | VCH100004       | 29%      | 70%            | 34.4%            |
| SAU802090     | YPS003474       | 28%      | 65.2%          | 32.1%            |
| SAU802091     | ABA103813       | 30%      | 84.5%          | 86.7%            |
| SAU802091     | BAN109630       | 50%      | 53.1%          | 86.7%            |
| SAU802091     | BAN104683       | 47%      | 93.9%          | 90.4%            |
| SAU802091     | BFR11309        | 29%      | 83.6%          | 88.7%            |
| SAU802091     | BPT102398       | 32%      | 81.7%          | 81.6%            |
| SAU802091     | BCE108732       | 26%      | 79.8%          | 62.7%            |
| SAU802091     | BFU102896       | 27%      | 68.1%          | 40.1%            |
| SAU802091     | BMA102974       | 27%      | 84.0%          | 48.8%            |
| SAU802091     | CJU101007       | 31%      | 93.4%          | 91.0%            |
| SAU802091     | CAC102203       | 29%      | 83.1%          | 86.7%            |
| SAU802091     | CAC102661       | 37%      | 86.4%          | 85.3%            |
| SAU802091     | CBO102722       | 36%      | 86.4%          | 88.3%            |
| SAU802091     | CDF102363       | 39%      | 34.3%          | 45.7%            |
| SAU802091     | CDF103547       | 36%      | 92.5%          | 91.9%            |
| SAU802091     | CDP101293       | 30%      | 91.5%          | 89.2%            |
| SAU802091     | EBC103905       | 26%      | 80.8%          | 81.3%            |
| SAU802091     | EFA200774       | 29%      | 93.0%          | 91.0%            |
| SAU802091     | EFM201656       | 34%      | 19.2%          | 24.0%            |
| SAU802091     | ECO103891       | 28%      | 79.8%          | 79.6%            |
| SAU802091     | HIN100397       | 41%      | 96.7%          | 95.1%            |
| SAU802091     | HPY100830       | 40%      | 93.4%          | 94.5%            |
| SAU802091     | KPN302487       | 28%      | 79.8%          | 79.6%            |
| SAU802091     | LMO100703       | 47%      | 95.3%          | 95.8%            |
| SAU802091     | MCA101998       | 26%      | 72.8%          | 70.5%            |
| SAU802091     | MAV101591       | 30%      | 81.7%          | 80.7%            |
| SAU802091     | MBV106116       | 34%      | 80.3%          | 80.2%            |
| SAU802091     | MLP100208       | 32%      | 79.8%          | 76.6%            |
| SAU802091     | MTU200413       | 34%      | 80.3%          | 80.2%            |
| SAU802091     | NGO101027       | 28%      | 83.1%          | 85.4%            |
| SAU802091     | NME200337       | 28%      | 85.0%          | 87.3%            |
| SAU802091     | PMU101260       | 43%      | 93.9%          | 94.1%            |
| SAU802091     | PRT101551       | 29%      | 81.7%          | 80%              |
| SAU802091     | PAE203973       | 27%      | 86.4%          | 87.6%            |
| SAU802091     | PPU107618       | 29%      | 85.9%          | 86.5%            |
| SAU802091     | PSY105102       | 32%      | 85.9%          | 87.3%            |
| SAU802091     | SPA100267       | 29%      | 62.9%          | 63.8%            |
| SAU802091     | STY102650       | 28%      | 79.8%          | 79.6%            |
| SAU802091     | SAU802091       | 100%     | 100%           | 100%             |
| SAU802091     | SEP201892       | 61%      | 99.1%          | 99.1%            |
| SAU802091     | SHA100076       | 64%      | 92.5%          | 100%             |
| SAU802091     | SPN400630       | 52%      | 98.1%          | 99.5%            |
| SAU802091     | VCH100062       | 26%      | 85.9%          | 43.9%            |
| SAU802091     | YPS000460       | 29%      | 82.2%          | 80.5%            |
| SAU802092     | ABA100604       | 38%      | 94.7%          | 89.8%            |
| SAU802092     | BAN109533       | 33%      | 90.9%          | 89.2%            |
| SAU802092     | BAN107336       | 40%      | 90.9%          | 89.2%            |
| SAU802092     | CAC103654       | 34%      | 93.5%          | 93.4%            |
| SAU802092     | CBO102672       | 34%      | 98.5%          | 97.7%            |
| SAU802092     | CDF103521       | 36%      | 94.3%          | 93.9%            |
| SAU802092     | EBC100699       | 40%      | 95.1%          | 96.5%            |
| SAU802092     | EFA200773       | 32%      | 81.4%          | 80.9%            |
| SAU802092     | ECO102063       | 40%      | 91.3%          | 90.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802092     | HIN100395       | 41%      | 98.5%          | 97.7%            |
| SAU802092     | HPY100832       | 36%      | 92.0%          | 89.0%            |
| SAU802092     | KPN308180       | 42%      | 91.3%          | 91.8%            |
| SAU802092     | LMO102897       | 38%      | 98.1%          | 95.9%            |
| SAU802092     | PMU101262       | 40%      | 97.7%          | 97.0%            |
| SAU802092     | SPA101206       | 30%      | 90.1%          | 91.7%            |
| SAU802092     | STY104191       | 41%      | 93.5%          | 91.7%            |
| SAU802092     | SAU802092       | 100%     | 100%           | 100%             |
| SAU802092     | SEP201893       | 66%      | 99.6%          | 100%             |
| SAU802092     | SHA100807       | 73%      | 55.1%          | 99.3%            |
| SAU802092     | SPN400629       | 41%      | 98.9%          | 97.4%            |
| SAU802094     | ABA101933       | 26%      | 96.5%          | 97.3%            |
| SAU802094     | BAN101414       | 26%      | 95.6%          | 97.8%            |
| SAU802094     | BAN108931       | 27%      | 97.4%          | 96.1%            |
| SAU802094     | CJU100408       | 21%      | 95.6%          | 98.2%            |
| SAU802094     | EFA200784       | 26%      | 96.5%          | 99.1%            |
| SAU802094     | HIN100338       | 21%      | 93.4%          | 98.6%            |
| SAU802094     | HPY101269       | 22%      | 93.9%          | 98.6%            |
| SAU802094     | KPN303112       | 22%      | 93.4%          | 94.4%            |
| SAU802094     | LMO101829       | 24%      | 90.0%          | 89.7%            |
| SAU802094     | PMU101264       | 21%      | 95.2%          | 99.5%            |
| SAU802094     | SAU802094       | 100%     | 100%           | 100%             |
| SAU802094     | SEP201895       | 62%      | 100%           | 100%             |
| SAU802094     | SHA100805       | 62%      | 99.6%          | 99.6%            |
| SAU802094     | SPN400634       | 26%      | 96.9%          | 92.2%            |
| SAU802098     | ABA101324       | 50%      | 91.8%          | 95.8%            |
| SAU802098     | BAN112058       | 68%      | 61.0%          | 98.9%            |
| SAU802098     | BAN101529       | 66%      | 97.9%          | 99.3%            |
| SAU802098     | BFR100706       | 45%      | 97.9%          | 30.8%            |
| SAU802098     | BPT101129       | 47%      | 96.6%          | 97.4%            |
| SAU802098     | BCE105358       | 46%      | 94.5%          | 91.0%            |
| SAU802098     | BFU107782       | 44%      | 95.2%          | 91.0%            |
| SAU802098     | BFU105730       | 46%      | 94.5%          | 90.9%            |
| SAU802098     | BMA107929       | 45%      | 95.2%          | 91.6%            |
| SAU802098     | CJU100245       | 40%      | 96.6%          | 99.3%            |
| SAU802098     | CPN200094       | 47%      | 97.3%          | 94.8%            |
| SAU802098     | CTR200808       | 46%      | 95.2%          | 92.8%            |
| SAU802098     | CAC102008       | 52%      | 91.8%          | 95.0%            |
| SAU802098     | CBO103374       | 61%      | 97.3%          | 98.6%            |
| SAU802098     | CDF104046       | 51%      | 26.7%          | 97.5%            |
| SAU802098     | CDF101479       | 59%      | 58.9%          | 96.6%            |
| SAU802098     | CDF100018       | 61%      | 82.9%          | 100%             |
| SAU802098     | EBC103090       | 60%      | 30.8%          | 60%              |
| SAU802098     | EBC100023       | 56%      | 45.2%          | 65.7%            |
| SAU802098     | EBC100020       | 56%      | 45.2%          | 65.7%            |
| SAU802098     | EFA203430       | 53%      | 91.8%          | 95.0%            |
| SAU802098     | EFM202041       | 61%      | 91.8%          | 96.4%            |
| SAU802098     | ECO100180       | 46%      | 91.1%          | 89.4%            |
| SAU802098     | HIN101039       | 45%      | 94.5%          | 93.9%            |
| SAU802098     | HPY101356       | 39%      | 98.6%          | 94.3%            |
| SAU802098     | KPN301913       | 46%      | 91.1%          | 89.4%            |
| SAU802098     | LPN101746       | 44%      | 89.7%          | 92.4%            |
| SAU802098     | LMO100873       | 61%      | 97.3%          | 98.6%            |
| SAU802098     | MCA100038       | 43%      | 95.2%          | 81.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802098     | NGO100839       | 53%      | 84.9%          | 84.6%            |
| SAU802098     | NME200083       | 53%      | 84.9%          | 84.6%            |
| SAU802098     | PMU101995       | 49%      | 94.5%          | 91.4%            |
| SAU802098     | PRT101246       | 48%      | 91.1%          | 78.5%            |
| SAU802098     | PAE203643       | 46%      | 94.5%          | 97.3%            |
| SAU802098     | PPU101164       | 45%      | 94.5%          | 97.3%            |
| SAU802098     | PSY104344       | 46%      | 94.5%          | 97.3%            |
| SAU802098     | SPA100773       | 46%      | 91.1%          | 89.4%            |
| SAU802098     | STY103910       | 46%      | 91.1%          | 89.4%            |
| SAU802098     | STM103593       | 46%      | 91.1%          | 89.4%            |
| SAU802098     | SAU802098       | 100%     | 100%           | 100%             |
| SAU802098     | SEP204192       | 93%      | 98.6%          | 99.3%            |
| SAU802098     | SHA100083       | 91%      | 39.0%          | 98.3%            |
| SAU802098     | SMU100534       | 53%      | 95.2%          | 98.6%            |
| SAU802098     | SPN400384       | 56%      | 95.2%          | 98.6%            |
| SAU802098     | SPY201345       | 55%      | 93.2%          | 97.1%            |
| SAU802098     | VCH102215       | 46%      | 91.1%          | 88.2%            |
| SAU802098     | YPS001148       | 47%      | 91.1%          | 74.6%            |
| SAU802099     | SAU802099       | 100%     | 100%           | 100%             |
| SAU802100     | ABA104194       | 50%      | 93.7%          | 85.4%            |
| SAU802100     | BAN100780       | 56%      | 95.3%          | 83.1%            |
| SAU802100     | BAN104280       | 61%      | 94.8%          | 83.2%            |
| SAU802100     | BPT102115       | 49%      | 95.8%          | 86.3%            |
| SAU802100     | BFU102916       | 50%      | 95.0%          | 79.5%            |
| SAU802100     | BMA104589       | 52%      | 58.2%          | 93.3%            |
| SAU802100     | CJU100797       | 46%      | 93.7%          | 85.2%            |
| SAU802100     | CPN200175       | 39%      | 88.5%          | 74.2%            |
| SAU802100     | CTR200730       | 39%      | 91.4%          | 79.4%            |
| SAU802100     | CAC103585       | 46%      | 96.1%          | 87.6%            |
| SAU802100     | CBO100954       | 51%      | 93.7%          | 85.4%            |
| SAU802100     | CDF100485       | 56%      | 34.7%          | 100%             |
| SAU802100     | CDF102163       | 58%      | 54.6%          | 97.4%            |
| SAU802100     | CDP101476       | 44%      | 93.5%          | 84.7%            |
| SAU802100     | EFA201611       | 58%      | 94.8%          | 83.8%            |
| SAU802100     | EFM201945       | 58%      | 94.8%          | 83.6%            |
| SAU802100     | HIN101057       | 48%      | 95.0%          | 85.6%            |
| SAU802100     | KPN103684       | 47%      | 95.0%          | 86.4%            |
| SAU802100     | LPN103006       | 49%      | 93.7%          | 85.1%            |
| SAU802100     | LMO101018       | 60%      | 94.8%          | 83.7%            |
| SAU802100     | MCA100762       | 48%      | 93.7%          | 85.2%            |
| SAU802100     | MAV106518       | 45%      | 51.4%          | 98.0%            |
| SAU802100     | MBV100208       | 43%      | 93.5%          | 84.7%            |
| SAU802100     | MLP100716       | 43%      | 93.5%          | 84.7%            |
| SAU802100     | MTU201298       | 43%      | 93.5%          | 84.7%            |
| SAU802100     | NME200242       | 49%      | 95.0%          | 86.3%            |
| SAU802100     | PMU100180       | 48%      | 95.0%          | 85.4%            |
| SAU802100     | PPU109849       | 49%      | 93.7%          | 85.3%            |
| SAU802100     | SPA100963       | 47%      | 41.8%          | 99.4%            |
| SAU802100     | SAU802100       | 100%     | 100%           | 100%             |
| SAU802100     | SEP202410       | 88%      | 94.8%          | 86.2%            |
| SAU802100     | SHA101060       | 86%      | 88.0%          | 100%             |
| SAU802100     | SMU100515       | 55%      | 93.7%          | 85.1%            |
| SAU802100     | SPN401779       | 56%      | 93.7%          | 84.3%            |
| SAU802100     | SPY200561       | 56%      | 93.7%          | 85.1%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802100     | VCH102478       | 50%      | 48.8%          | 93.3%            |
| SAU802105     | ABA102336       | 55%      | 95.0%          | 94.9%            |
| SAU802105     | BAN102895       | 65%      | 100%           | 100%             |
| SAU802105     | BAN104850       | 79%      | 100%           | 100%             |
| SAU802105     | BFR12383        | 55%      | 95.8%          | 95.8%            |
| SAU802105     | BPT102265       | 60%      | 98.8%          | 99.2%            |
| SAU802105     | BCE113271       | 58%      | 99.0%          | 99.4%            |
| SAU802105     | BFU111824       | 59%      | 99.0%          | 99.4%            |
| SAU802105     | BMA104609       | 58%      | 99.0%          | 99.4%            |
| SAU802105     | CJU100094       | 64%      | 98.6%          | 99.2%            |
| SAU802105     | CAC101220       | 64%      | 100%           | 99.8%            |
| SAU802105     | CBO103759       | 63%      | 99.2%          | 99.2%            |
| SAU802105     | CDF103688       | 67%      | 99.2%          | 99.2%            |
| SAU802105     | CDP100092       | 55%      | 100%           | 92.6%            |
| SAU802105     | EBC104234       | 53%      | 99.4%          | 99.8%            |
| SAU802105     | EFA201608       | 72%      | 99.4%          | 96.3%            |
| SAU802105     | EFM200643       | 72%      | 99.2%          | 96.1%            |
| SAU802105     | ECO103655       | 54%      | 96.2%          | 96.3%            |
| SAU802105     | HIN100461       | 57%      | 96.8%          | 96.9%            |
| SAU802105     | HPY101117       | 60%      | 99.2%          | 99.4%            |
| SAU802105     | KPN301117       | 54%      | 96.2%          | 96.9%            |
| SAU802105     | LPN101363       | 62%      | 74.1%          | 99.2%            |
| SAU802105     | LMO102357       | 77%      | 100%           | 99.6%            |
| SAU802105     | MCA100632       | 57%      | 98.2%          | 98.4%            |
| SAU802105     | MAV106522       | 58%      | 99.4%          | 91.9%            |
| SAU802105     | MBV105525       | 57%      | 99.4%          | 92.7%            |
| SAU802105     | MLP100709       | 57%      | 99.4%          | 91.2%            |
| SAU802105     | MTU201291       | 57%      | 99.4%          | 92.7%            |
| SAU802105     | MGE100413       | 55%      | 91.6%          | 88.8%            |
| SAU802105     | MPN100242       | 56%      | 91.6%          | 88.8%            |
| SAU802105     | NGO101344       | 57%      | 99.4%          | 99.4%            |
| SAU802105     | NME200481       | 57%      | 99.4%          | 99.4%            |
| SAU802105     | PMU101492       | 55%      | 96.8%          | 96.9%            |
| SAU802105     | PRT105365       | 55%      | 95.4%          | 95.5%            |
| SAU802105     | PAE205551       | 56%      | 95.8%          | 95.7%            |
| SAU802105     | PPU103565       | 56%      | 95.8%          | 95.7%            |
| SAU802105     | PSY106861       | 59%      | 86.9%          | 95.9%            |
| SAU802105     | SPA103402       | 53%      | 42.2%          | 99.5%            |
| SAU802105     | STY103858       | 55%      | 96.2%          | 96.3%            |
| SAU802105     | SAU802105       | 100%     | 100%           | 100%             |
| SAU802105     | SEP201899       | 94%      | 100%           | 99.8%            |
| SAU802105     | SHA101055       | 94%      | 100%           | 100%             |
| SAU802105     | SMU101004       | 72%      | 98.6%          | 98.8%            |
| SAU802105     | SPN401361       | 72%      | 98.4%          | 98.6%            |
| SAU802105     | SPY200556       | 72%      | 98.8%          | 98.8%            |
| SAU802105     | UUR100131       | 57%      | 97.0%          | 61.0%            |
| SAU802105     | VCH102727       | 57%      | 96.2%          | 94.5%            |
| SAU802105     | YPS003553       | 55%      | 96.2%          | 96.3%            |
| SAU802106     | ABA105713       | 25%      | 97.2%          | 96.6%            |
| SAU802106     | BAN113283       | 31%      | 97.2%          | 96.1%            |
| SAU802106     | BPT104652       | 28%      | 94.4%          | 93.9%            |
| SAU802106     | BCE113381       | 29%      | 96.1%          | 95.5%            |
| SAU802106     | BFU106431       | 28%      | 96.1%          | 95.5%            |
| SAU802106     | BMA109247       | 28%      | 96.1%          | 95.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802106     | CAC100509       | 20%      | 93.3%          | 92.7%            |
| SAU802106     | CBO103858       | 24%      | 93.3%          | 92.7%            |
| SAU802106     | CDF100340       | 24%      | 97.8%          | 96.7%            |
| SAU802106     | CDP100090       | 19%      | 91.1%          | 59.0%            |
| SAU802106     | EBC104237       | 27%      | 95.0%          | 94.4%            |
| SAU802106     | EFA203407       | 21%      | 95.5%          | 94.4%            |
| SAU802106     | EFM202376       | 21%      | 97.2%          | 96.1%            |
| SAU802106     | ECO103656       | 25%      | 95.0%          | 94.4%            |
| SAU802106     | HIN100462       | 23%      | 98.3%          | 97.7%            |
| SAU802106     | KPN301116       | 28%      | 95.0%          | 94.4%            |
| SAU802106     | LPN103596       | 27%      | 93.9%          | 93.3%            |
| SAU802106     | LMO101750       | 30%      | 97.8%          | 97.2%            |
| SAU802106     | MCA100631       | 24%      | 96.1%          | 95.6%            |
| SAU802106     | MGE100414       | 22%      | 95.5%          | 97.7%            |
| SAU802106     | MPN100241       | 20%      | 96.1%          | 97.2%            |
| SAU802106     | NGO103629       | 28%      | 93.9%          | 93.2%            |
| SAU802106     | NME200480       | 27%      | 93.9%          | 93.2%            |
| SAU802106     | PMU101491       | 22%      | 98.3%          | 97.7%            |
| SAU802106     | PRT104944       | 25%      | 93.9%          | 93.2%            |
| SAU802106     | PAE205552       | 23%      | 95.5%          | 94.9%            |
| SAU802106     | PPU103564       | 26%      | 66.5%          | 79.7%            |
| SAU802106     | PSY103436       | 24%      | 93.9%          | 96.5%            |
| SAU802106     | SPA103404       | 26%      | 95.0%          | 94.4%            |
| SAU802106     | STY107267       | 27%      | 95.0%          | 94.4%            |
| SAU802106     | SAU802106       | 100%     | 100%           | 100%             |
| SAU802106     | SEP201900       | 64%      | 100%           | 100%             |
| SAU802106     | SHA101054       | 58%      | 100%           | 100%             |
| SAU802106     | SMU101006       | 21%      | 96.6%          | 96.1%            |
| SAU802106     | SPN401362       | 24%      | 93.3%          | 92.7%            |
| SAU802106     | SPY200555       | 22%      | 90.5%          | 89.9%            |
| SAU802106     | UUR100133       | 19%      | 96.6%          | 96.6%            |
| SAU802106     | VCH102728       | 23%      | 95.5%          | 94.9%            |
| SAU802106     | YPS003556       | 24%      | 95.0%          | 94.4%            |
| SAU802107     | ABA102339       | 24%      | 84.4%          | 93.6%            |
| SAU802107     | BAN100824       | 42%      | 94.8%          | 96.4%            |
| SAU802107     | BAN112818       | 42%      | 94.8%          | 96.4%            |
| SAU802107     | BFR102691       | 28%      | 87.3%          | 92.1%            |
| SAU802107     | BPT104649       | 23%      | 84.4%          | 93.6%            |
| SAU802107     | BCE107096       | 24%      | 83.8%          | 99.3%            |
| SAU802107     | BFU106432       | 24%      | 86.7%          | 96.2%            |
| SAU802107     | BMA103063       | 24%      | 83.8%          | 99.3%            |
| SAU802107     | CJU100091       | 20%      | 74.6%          | 91.5%            |
| SAU802107     | CPN200676       | 36%      | 41.6%          | 35.1%            |
| SAU802107     | CAC100986       | 31%      | 87.9%          | 95.6%            |
| SAU802107     | CBO100440       | 29%      | 87.3%          | 95.0%            |
| SAU802107     | CDF103938       | 31%      | 91.3%          | 91.8%            |
| SAU802107     | CDP100088       | 25%      | 93.1%          | 83.5%            |
| SAU802107     | EBC105501       | 28%      | 86.7%          | 96.2%            |
| SAU802107     | EFA203406       | 35%      | 88.4%          | 86.9%            |
| SAU802107     | EFM201470       | 34%      | 96.0%          | 95.4%            |
| SAU802107     | ECO103657       | 26%      | 86.7%          | 96.2%            |
| SAU802107     | HIN100463       | 23%      | 86.7%          | 96.2%            |
| SAU802107     | HPY201061       | 21%      | 66.5%          | 72.2%            |
| SAU802107     | KPN306143       | 28%      | 42.8%          | 45.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802107     | LPN102324       | 21%      | 89.0%          | 60.7%            |
| SAU802107     | LMO102155       | 35%      | 94.8%          | 95.3%            |
| SAU802107     | MCA100630       | 25%      | 84.4%          | 94.2%            |
| SAU802107     | MAV106520       | 21%      | 79.2%          | 77.0%            |
| SAU802107     | MBV105523       | 21%      | 86.7%          | 33.9%            |
| SAU802107     | MLP100708       | 24%      | 86.7%          | 33.9%            |
| SAU802107     | MTU201290       | 21%      | 86.7%          | 33.9%            |
| SAU802107     | MGE100415       | 25%      | 85.5%          | 71.2%            |
| SAU802107     | MPN100240       | 25%      | 85.5%          | 71.5%            |
| SAU802107     | NGO103626       | 24%      | 86.7%          | 96.2%            |
| SAU802107     | NME200479       | 24%      | 86.7%          | 96.2%            |
| SAU802107     | PMU101490       | 23%      | 86.7%          | 96.2%            |
| SAU802107     | PRT106151       | 26%      | 86.7%          | 96.2%            |
| SAU802107     | PAE205553       | 26%      | 86.7%          | 96.2%            |
| SAU802107     | PPU112306       | 26%      | 86.7%          | 96.2%            |
| SAU802107     | PSY103435       | 25%      | 86.7%          | 96.2%            |
| SAU802107     | SPA103406       | 27%      | 86.7%          | 96.2%            |
| SAU802107     | STY107265       | 27%      | 86.7%          | 96.2%            |
| SAU802107     | SAU802107       | 100%     | 100%           | 100%             |
| SAU802107     | SEP201901       | 82%      | 100%           | 100%             |
| SAU802107     | SHA101818       | 86%      | 49.7%          | 100%             |
| SAU802107     | SMU101008       | 36%      | 91.3%          | 95.8%            |
| SAU802107     | SPN401363       | 31%      | 89.0%          | 93.9%            |
| SAU802107     | SPY200554       | 35%      | 89.0%          | 93.9%            |
| SAU802107     | UUR100134       | 28%      | 85.5%          | 72.2%            |
| SAU802107     | YPS003559       | 26%      | 86.7%          | 96.2%            |
| SAU802109     | ABA102343       | 30%      | 77.3%          | 71.1%            |
| SAU802109     | BAN101337       | 53%      | 12.4%          | 65.2%            |
| SAU802109     | BAN109723       | 66%      | 12.4%          | 83.3%            |
| SAU802109     | BAN111963       | 55%      | 56.6%          | 94.4%            |
| SAU802109     | BAN106879       | 55%      | 93.4%          | 95.4%            |
| SAU802109     | BFR102190       | 27%      | 87.6%          | 59.3%            |
| SAU802109     | BPT104642       | 29%      | 96.3%          | 89.1%            |
| SAU802109     | BCE101199       | 27%      | 94.2%          | 89.0%            |
| SAU802109     | BFU111209       | 26%      | 97.5%          | 93.1%            |
| SAU802109     | BFU108338       | 27%      | 90.1%          | 83.5%            |
| SAU802109     | BMA102656       | 26%      | 97.9%          | 65.9%            |
| SAU802109     | CJU101129       | 25%      | 90.9%          | 91.2%            |
| SAU802109     | CAC101894       | 26%      | 96.7%          | 95.9%            |
| SAU802109     | CBO100509       | 33%      | 100%           | 100%             |
| SAU802109     | CDF102803       | 31%      | 89.7%          | 92.7%            |
| SAU802109     | CDP100087       | 32%      | 92.6%          | 74.7%            |
| SAU802109     | EBC104246       | 32%      | 99.2%          | 88.6%            |
| SAU802109     | EFA203403       | 50%      | 93.0%          | 94.6%            |
| SAU802109     | EFM200212       | 49%      | 93.0%          | 94.6%            |
| SAU802109     | ECO103659       | 34%      | 85.5%          | 80.4%            |
| SAU802109     | HIN100465       | 32%      | 87.2%          | 85.5%            |
| SAU802109     | HPY100815       | 26%      | 87.6%          | 87.2%            |
| SAU802109     | KPN301113       | 34%      | 85.5%          | 80.4%            |
| SAU802109     | LPN100590       | 35%      | 64.9%          | 59.6%            |
| SAU802109     | LMO102867       | 58%      | 100%           | 100%             |
| SAU802109     | MCA100628       | 30%      | 83.5%          | 77.5%            |
| SAU802109     | MAV106517       | 36%      | 92.1%          | 88.5%            |
| SAU802109     | MBV105517       | 35%      | 92.1%          | 89.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802109     | MLP100705       | 35%      | 94.2%          | 91.2%            |
| SAU802109     | MTU201287       | 35%      | 92.1%          | 89.6%            |
| SAU802109     | MGE100417       | 22%      | 94.6%          | 81.5%            |
| SAU802109     | MPN100238       | 25%      | 94.6%          | 81.2%            |
| SAU802109     | NGO101341       | 27%      | 94.2%          | 86.1%            |
| SAU802109     | NME200477       | 28%      | 94.2%          | 86.1%            |
| SAU802109     | PMU101488       | 31%      | 89.3%          | 86.7%            |
| SAU802109     | PRT105765       | 32%      | 93.0%          | 84.7%            |
| SAU802109     | PAE205555       | 28%      | 89.3%          | 82.0%            |
| SAU802109     | PPU103681       | 28%      | 86.8%          | 92.8%            |
| SAU802109     | PSY103433       | 27%      | 86.4%          | 79.6%            |
| SAU802109     | SPA103408       | 32%      | 97.9%          | 87.5%            |
| SAU802109     | STY103856       | 32%      | 97.9%          | 87.5%            |
| SAU802109     | SAU802109       | 100%     | 100%           | 100%             |
| SAU802109     | SEP201902       | 87%      | 100%           | 100%             |
| SAU802109     | SHA100056       | 83%      | 100%           | 100%             |
| SAU802109     | SMU101010       | 40%      | 91.7%          | 91.6%            |
| SAU802109     | SPN401364       | 37%      | 91.7%          | 92.4%            |
| SAU802109     | SPY200553       | 36%      | 91.7%          | 92.4%            |
| SAU802109     | UUR100136       | 24%      | 100%           | 87.3%            |
| SAU802109     | VCH102731       | 30%      | 63.6%          | 60%              |
| SAU802109     | YPS000004       | 32%      | 97.9%          | 86.5%            |
| SAU802111     | ABA105452       | 42%      | 96.0%          | 98.7%            |
| SAU802111     | BAN106286       | 54%      | 19.7%          | 94.9%            |
| SAU802111     | BAN110258       | 39%      | 88.8%          | 92.9%            |
| SAU802111     | BAN112148       | 60%      | 96.8%          | 96.3%            |
| SAU802111     | BAN107002       | 60%      | 96.8%          | 98.4%            |
| SAU802111     | BFR104545       | 49%      | 95.5%          | 98.9%            |
| SAU802111     | BFR12295        | 46%      | 96.0%          | 99.5%            |
| SAU802111     | CJU101068       | 24%      | 77.9%          | 79.0%            |
| SAU802111     | CAC103461       | 52%      | 99.2%          | 97.9%            |
| SAU802111     | CAC103778       | 55%      | 97.9%          | 98.4%            |
| SAU802111     | CBO100630       | 53%      | 99.2%          | 94.7%            |
| SAU802111     | CDF100919       | 58%      | 95.5%          | 96.3%            |
| SAU802111     | EFA200201       | 60%      | 99.2%          | 98.2%            |
| SAU802111     | EFM201136       | 23%      | 97.3%          | 96.3%            |
| SAU802111     | KPN301893       | 50%      | 95.7%          | 98.1%            |
| SAU802111     | LMO102015       | 60%      | 99.2%          | 98.4%            |
| SAU802111     | NME200190       | 50%      | 94.7%          | 97.8%            |
| SAU802111     | PPU108280       | 48%      | 90.7%          | 96.1%            |
| SAU802111     | SAU802111       | 100%     | 100%           | 100%             |
| SAU802111     | SEP201903       | 72%      | 100%           | 98.4%            |
| SAU802111     | SHA100639       | 66%      | 99.7%          | 99.5%            |
| SAU802111     | SMU100328       | 56%      | 99.2%          | 97.9%            |
| SAU802111     | SPN300337       | 57%      | 95.5%          | 98.4%            |
| SAU802111     | VCH100901       | 50%      | 95.5%          | 98.9%            |
| SAU802111     | YPS001517       | 51%      | 95.7%          | 98.1%            |
| SAU802112     | ABA105256       | 52%      | 81.8%          | 97.7%            |
| SAU802112     | BAN112213       | 72%      | 100%           | 100%             |
| SAU802112     | BFR103881       | 33%      | 95.2%          | 94.5%            |
| SAU802112     | BPT100985       | 48%      | 98.1%          | 84.4%            |
| SAU802112     | BCE107019       | 56%      | 97.6%          | 94.4%            |
| SAU802112     | BFU100449       | 54%      | 64.6%          | 100%             |
| SAU802112     | BMA105302       | 56%      | 97.6%          | 94.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802112     | CJU101210       | 47%      | 99.5%          | 99.5%            |
| SAU802112     | CTR200822       | 52%      | 99.5%          | 68.6%            |
| SAU802112     | CAC100474       | 70%      | 100%           | 100%             |
| SAU802112     | CBO100953       | 70%      | 100%           | 100%             |
| SAU802112     | CDF104480       | 66%      | 100%           | 100%             |
| SAU802112     | CDP100815       | 43%      | 99.0%          | 97.6%            |
| SAU802112     | EBC102719       | 51%      | 99.0%          | 99.5%            |
| SAU802112     | EFA201665       | 70%      | 100%           | 100%             |
| SAU802112     | EFM100705       | 72%      | 54.1%          | 100%             |
| SAU802112     | ECO102449       | 51%      | 99.0%          | 95.4%            |
| SAU802112     | HIN101200       | 52%      | 96.2%          | 96.6%            |
| SAU802112     | KPN309030       | 51%      | 99.0%          | 99.5%            |
| SAU802112     | LPN102459       | 60%      | 99.5%          | 97.2%            |
| SAU802112     | LMO102461       | 71%      | 100%           | 100%             |
| SAU802112     | MCA103555       | 52%      | 98.6%          | 95.8%            |
| SAU802112     | MAV100235       | 44%      | 97.6%          | 79.0%            |
| SAU802112     | MBV100852       | 44%      | 99.0%          | 99.5%            |
| SAU802112     | MTU203266       | 44%      | 99.0%          | 99.5%            |
| SAU802112     | MGE100030       | 46%      | 96.2%          | 97.1%            |
| SAU802112     | MPN100121       | 46%      | 84.7%          | 98.9%            |
| SAU802112     | NGO100075       | 50%      | 98.6%          | 99.0%            |
| SAU802112     | NME200908       | 50%      | 98.6%          | 99.0%            |
| SAU802112     | PMU100019       | 53%      | 96.2%          | 96.6%            |
| SAU802112     | PRT104353       | 53%      | 99.0%          | 99.5%            |
| SAU802112     | PAE204643       | 53%      | 98.6%          | 97.2%            |
| SAU802112     | PPU104022       | 53%      | 96.2%          | 94.8%            |
| SAU802112     | PSY102376       | 53%      | 96.2%          | 94.8%            |
| SAU802112     | SPA103099       | 50%      | 99.0%          | 98.6%            |
| SAU802112     | STY101654       | 51%      | 99.0%          | 99.5%            |
| SAU802112     | SAU802112       | 100%     | 100%           | 100%             |
| SAU802112     | SEP201904       | 94%      | 100%           | 100%             |
| SAU802112     | SHA100638       | 94%      | 100%           | 100%             |
| SAU802112     | SMU100374       | 70%      | 100%           | 100%             |
| SAU802112     | SPN400655       | 71%      | 100%           | 96.8%            |
| SAU802112     | SPY200285       | 70%      | 100%           | 100%             |
| SAU802112     | TPA100444       | 34%      | 42.1%          | 25%              |
| SAU802112     | UUR100115       | 54%      | 97.6%          | 98.6%            |
| SAU802112     | VCH102191       | 52%      | 99.0%          | 99.5%            |
| SAU802112     | YPS002584       | 52%      | 99.0%          | 99.5%            |
| SAU802113     | ABA104851       | 60%      | 99.0%          | 98.1%            |
| SAU802113     | BAN101706       | 68%      | 99.3%          | 99.3%            |
| SAU802113     | BAN109367       | 70%      | 99.8%          | 99.3%            |
| SAU802113     | BFR11177        | 57%      | 98.5%          | 99.3%            |
| SAU802113     | BPT102825       | 62%      | 98.1%          | 96.9%            |
| SAU802113     | BBU100600       | 55%      | 98.1%          | 99.5%            |
| SAU802113     | BCE107637       | 61%      | 99.8%          | 98.6%            |
| SAU802113     | BFU111760       | 56%      | 99.0%          | 97.4%            |
| SAU802113     | BMA102315       | 60%      | 99.8%          | 83.0%            |
| SAU802113     | CJU100370       | 55%      | 98.3%          | 97.6%            |
| SAU802113     | CPN200229       | 44%      | 97.3%          | 90.5%            |
| SAU802113     | CTR200706       | 44%      | 97.3%          | 90.5%            |
| SAU802113     | CAC101420       | 64%      | 99.3%          | 98.8%            |
| SAU802113     | CBO101302       | 65%      | 98.3%          | 97.3%            |
| SAU802113     | CDF100075       | 65%      | 17.7%          | 83.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802113     | CDF100511       | 66%      | 99.3%          | 97.6%            |
| SAU802113     | CDP100921       | 54%      | 99.3%          | 96.0%            |
| SAU802113     | EBC100017       | 57%      | 27.4%          | 97.5%            |
| SAU802113     | EBC102113       | 57%      | 99.0%          | 97.6%            |
| SAU802113     | EFA201664       | 66%      | 99.8%          | 99.8%            |
| SAU802113     | EFM103325       | 62%      | 11.7%          | 95.9%            |
| SAU802113     | ECO102502       | 59%      | 99.0%          | 98.1%            |
| SAU802113     | HIN100869       | 57%      | 99.0%          | 97.9%            |
| SAU802113     | HPY100180       | 53%      | 99.8%          | 98.8%            |
| SAU802113     | KPN305968       | 58%      | 98.1%          | 97.1%            |
| SAU802113     | LPN101884       | 55%      | 50.2%          | 97.7%            |
| SAU802113     | LMO102513       | 70%      | 99.8%          | 99.3%            |
| SAU802113     | MCA101556       | 59%      | 98.3%          | 96.7%            |
| SAU802113     | MAV100777       | 56%      | 98.3%          | 95.8%            |
| SAU802113     | MBV106196       | 54%      | 99.0%          | 96.9%            |
| SAU802113     | MLP101190       | 53%      | 99.0%          | 96.5%            |
| SAU802113     | MTU200070       | 54%      | 99.0%          | 96.9%            |
| SAU802113     | MGE100406       | 54%      | 96.6%          | 97.0%            |
| SAU802113     | MPN100266       | 53%      | 97.6%          | 98.0%            |
| SAU802113     | NGO101181       | 60%      | 99.0%          | 97.8%            |
| SAU802113     | NME201154       | 60%      | 99.0%          | 97.8%            |
| SAU802113     | PMU100225       | 57%      | 99.0%          | 98.1%            |
| SAU802113     | PRT105514       | 56%      | 99.0%          | 98.1%            |
| SAU802113     | PAE204600       | 60%      | 99.0%          | 97.8%            |
| SAU802113     | PPU107530       | 60%      | 98.3%          | 97.4%            |
| SAU802113     | PSY105291       | 60%      | 99.0%          | 97.8%            |
| SAU802113     | SPA103023       | 55%      | 96.6%          | 96.2%            |
| SAU802113     | STY102040       | 58%      | 99.0%          | 98.1%            |
| SAU802113     | SAU802113       | 100%     | 100%           | 100%             |
| SAU802113     | SEP201905       | 87%      | 99.8%          | 99.8%            |
| SAU802113     | SHA100637       | 84%      | 100%           | 100%             |
| SAU802113     | SMU100311       | 59%      | 98.3%          | 96.7%            |
| SAU802113     | SPN400928       | 61%      | 98.3%          | 97.1%            |
| SAU802113     | SPY200872       | 60%      | 98.3%          | 97.1%            |
| SAU802113     | TPA100325       | 44%      | 93.4%          | 72.6%            |
| SAU802113     | VCH103010       | 61%      | 98.3%          | 94.0%            |
| SAU802113     | YPS003331       | 57%      | 99.0%          | 98.1%            |
| SAU802118     | ABA105579       | 53%      | 97.8%          | 96.4%            |
| SAU802118     | BAN113068       | 61%      | 94.7%          | 99.1%            |
| SAU802118     | BAN100929       | 65%      | 98.0%          | 99.2%            |
| SAU802118     | BFR11151        | 45%      | 98.3%          | 97.6%            |
| SAU802118     | BPT101750       | 50%      | 99.2%          | 98.3%            |
| SAU802118     | BBU100195       | 47%      | 98.0%          | 98.6%            |
| SAU802118     | BCE108751       | 49%      | 98.9%          | 98.1%            |
| SAU802118     | BFU107325       | 50%      | 98.9%          | 98.1%            |
| SAU802118     | BMA103540       | 50%      | 99.7%          | 98.9%            |
| SAU802118     | CJU101518       | 54%      | 98.0%          | 98.6%            |
| SAU802118     | CPN200648       | 51%      | 91.9%          | 94.7%            |
| SAU802118     | CTR200287       | 52%      | 92.5%          | 93.0%            |
| SAU802118     | CAC101625       | 54%      | 99.2%          | 99.2%            |
| SAU802118     | CBO100481       | 57%      | 98.6%          | 98.9%            |
| SAU802118     | CDF101347       | 58%      | 97.8%          | 99.2%            |
| SAU802118     | CDP100071       | 47%      | 96.6%          | 97.2%            |
| SAU802118     | EBC100920       | 56%      | 68.7%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802118     | EFA201655       | 63%      | 99.4%          | 100%             |
| SAU802118     | EFM200375       | 61%      | 99.4%          | 100%             |
| SAU802118     | ECO101184       | 50%      | 98.9%          | 98.1%            |
| SAU802118     | HIN101530       | 51%      | 98.0%          | 97.0%            |
| SAU802118     | HPY100075       | 51%      | 96.4%          | 97.7%            |
| SAU802118     | KPN303478       | 50%      | 98.9%          | 98.1%            |
| SAU802118     | LPN101572       | 54%      | 96.1%          | 95.3%            |
| SAU802118     | LMO101439       | 64%      | 99.2%          | 99.4%            |
| SAU802118     | MCA100127       | 55%      | 96.4%          | 95.8%            |
| SAU802118     | MAV106507       | 42%      | 97.2%          | 97.8%            |
| SAU802118     | MBV105506       | 40%      | 97.2%          | 97.8%            |
| SAU802118     | MLP100700       | 40%      | 97.5%          | 98.1%            |
| SAU802118     | MTU201282       | 40%      | 97.2%          | 97.8%            |
| SAU802118     | MGE100263       | 48%      | 98.3%          | 97.5%            |
| SAU802118     | MPN100475       | 47%      | 97.8%          | 96.9%            |
| SAU802118     | NGO100540       | 53%      | 99.2%          | 98.9%            |
| SAU802118     | NME201794       | 53%      | 99.2%          | 98.9%            |
| SAU802118     | PMU100555       | 51%      | 98.9%          | 98.1%            |
| SAU802118     | PRT101055       | 52%      | 98.0%          | 97.2%            |
| SAU802118     | PAE204662       | 52%      | 99.2%          | 98.9%            |
| SAU802118     | PPU109700       | 52%      | 99.2%          | 98.9%            |
| SAU802118     | PSY102423       | 50%      | 98.6%          | 98.3%            |
| SAU802118     | SPA100352       | 44%      | 98.9%          | 98.0%            |
| SAU802118     | STY101661       | 50%      | 98.9%          | 98.1%            |
| SAU802118     | SAU802118       | 100%     | 100%           | 100%             |
| SAU802118     | SEP201909       | 93%      | 100%           | 100%             |
| SAU802118     | SHA100601       | 90%      | 100%           | 100%             |
| SAU802118     | SMU100318       | 58%      | 98.9%          | 99.2%            |
| SAU802118     | SPN400924       | 58%      | 98.9%          | 99.2%            |
| SAU802118     | SPY200868       | 57%      | 99.2%          | 99.4%            |
| SAU802118     | TPA100050       | 46%      | 96.6%          | 98.9%            |
| SAU802118     | UUR100003       | 52%      | 92.5%          | 92.2%            |
| SAU802118     | VCH102146       | 52%      | 98.6%          | 97.8%            |
| SAU802118     | YPS003258       | 51%      | 98.0%          | 97.2%            |
| SAU802119     | BAN102071       | 61%      | 84.9%          | 97.7%            |
| SAU802119     | BAN101436       | 63%      | 95.0%          | 97.4%            |
| SAU802119     | BFR10775        | 46%      | 91.5%          | 87.9%            |
| SAU802119     | BBU100790       | 26%      | 83.9%          | 52.3%            |
| SAU802119     | CAC102314       | 60%      | 95.0%          | 96.9%            |
| SAU802119     | CBO102085       | 60%      | 95.0%          | 99.0%            |
| SAU802119     | EBC100656       | 29%      | 86.4%          | 76.3%            |
| SAU802119     | EFA201653       | 28%      | 92.5%          | 95.9%            |
| SAU802119     | EFM201540       | 27%      | 86.9%          | 90.7%            |
| SAU802119     | ECO101209       | 29%      | 86.4%          | 86.3%            |
| SAU802119     | HIN100508       | 29%      | 86.4%          | 91.7%            |
| SAU802119     | KPN300816       | 29%      | 86.4%          | 86.3%            |
| SAU802119     | LPN103251       | 27%      | 86.4%          | 85.2%            |
| SAU802119     | LMO102848       | 29%      | 88.9%          | 94.8%            |
| SAU802119     | MGE100034       | 46%      | 90.5%          | 83.1%            |
| SAU802119     | MPN100110       | 47%      | 89.9%          | 91.1%            |
| SAU802119     | PMU101236       | 29%      | 86.4%          | 92.2%            |
| SAU802119     | PRT105114       | 28%      | 92.5%          | 95.5%            |
| SAU802119     | SPA100526       | 30%      | 86.4%          | 87.2%            |
| SAU802119     | STY102989       | 30%      | 86.4%          | 86.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802119     | SAU802119       | 100%     | 100%           | 100%             |
| SAU802119     | SEP201910       | 86%      | 100%           | 100%             |
| SAU802119     | SHA100600       | 84%      | 100%           | 100%             |
| SAU802119     | SMU100321       | 27%      | 88.9%          | 91.8%            |
| SAU802119     | SPN400922       | 26%      | 92.5%          | 94.0%            |
| SAU802119     | SPY200867       | 29%      | 86.9%          | 93.1%            |
| SAU802119     | UUR100601       | 44%      | 91.5%          | 83.4%            |
| SAU802119     | VCH101148       | 27%      | 86.4%          | 92.2%            |
| SAU802119     | YPS000765       | 27%      | 86.4%          | 90.3%            |
| SAU802120     | ABA103769       | 50%      | 92.9%          | 91.7%            |
| SAU802120     | BAN113559       | 70%      | 96.4%          | 100%             |
| SAU802120     | BAN104117       | 72%      | 96.4%          | 100%             |
| SAU802120     | BFR11933        | 43%      | 94.0%          | 95.2%            |
| SAU802120     | BPT100219       | 50%      | 92.9%          | 61.6%            |
| SAU802120     | BBU100228       | 47%      | 92.9%          | 96.3%            |
| SAU802120     | BCE110175       | 49%      | 98.8%          | 95.3%            |
| SAU802120     | BFU100113       | 50%      | 97.6%          | 92.0%            |
| SAU802120     | BMA100597       | 49%      | 98.8%          | 94.3%            |
| SAU802120     | CJU100144       | 35%      | 96.4%          | 100%             |
| SAU802120     | CPN200649       | 52%      | 92.9%          | 70.6%            |
| SAU802120     | CTR200286       | 47%      | 92.9%          | 71.3%            |
| SAU802120     | CAC103101       | 36%      | 98.8%          | 98.6%            |
| SAU802120     | CBO102930       | 34%      | 100%           | 97.2%            |
| SAU802120     | CDF104012       | 37%      | 66.7%          | 79.2%            |
| SAU802120     | CDP100131       | 51%      | 94.0%          | 89.8%            |
| SAU802120     | EBC103974       | 49%      | 94.0%          | 90.7%            |
| SAU802120     | EFA201303       | 70%      | 100%           | 94.4%            |
| SAU802120     | ECO100288       | 46%      | 94.0%          | 89.7%            |
| SAU802120     | HIN100738       | 41%      | 97.6%          | 97.1%            |
| SAU802120     | HPY100544       | 40%      | 96.4%          | 100%             |
| SAU802120     | KPN303881       | 48%      | 48.8%          | 71.9%            |
| SAU802120     | LMO100203       | 74%      | 96.4%          | 100%             |
| SAU802120     | MCA100984       | 53%      | 94.0%          | 90.7%            |
| SAU802120     | MAV106531       | 35%      | 94.0%          | 82.5%            |
| SAU802120     | MBV105505       | 34%      | 94.0%          | 82.5%            |
| SAU802120     | MLP100699       | 34%      | 94.0%          | 78.6%            |
| SAU802120     | MTU201281       | 34%      | 94.0%          | 82.5%            |
| SAU802120     | MGE100262       | 28%      | 92.9%          | 68.0%            |
| SAU802120     | MPN100476       | 28%      | 92.9%          | 68.0%            |
| SAU802120     | NGO101307       | 52%      | 52.4%          | 80%              |
| SAU802120     | NME201050       | 45%      | 92.9%          | 87.9%            |
| SAU802120     | PMU100220       | 46%      | 94.0%          | 90.9%            |
| SAU802120     | PRT104831       | 51%      | 94.0%          | 95.1%            |
| SAU802120     | PAE203599       | 51%      | 92.9%          | 89.7%            |
| SAU802120     | PPU102065       | 35%      | 95.2%          | 93.0%            |
| SAU802120     | PSY107166       | 46%      | 92.9%          | 83.9%            |
| SAU802120     | SPA100819       | 45%      | 94.0%          | 90.7%            |
| SAU802120     | STY104986       | 46%      | 94.0%          | 90.7%            |
| SAU802120     | STM100496       | 46%      | 94.0%          | 90.7%            |
| SAU802120     | SAU802120       | 100%     | 100%           | 100%             |
| SAU802120     | SEP204230       | 95%      | 100%           | 98.8%            |
| SAU802120     | SHA102245       | 81%      | 65.5%          | 100%             |
| SAU802120     | SMU100284       | 70%      | 96.4%          | 100%             |
| SAU802120     | SPN401176       | 70%      | 96.4%          | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802120     | SPY200525       | 67%      | 100%           | 96.5%            |
| SAU802120     | TPA100252       | 28%      | 96.4%          | 98.5%            |
| SAU802120     | VCH100862       | 50%      | 94.0%          | 91.8%            |
| SAU802120     | YPS001792       | 48%      | 94.0%          | 90.7%            |
| SAU802121     | ABA100304       | 49%      | 91.6%          | 97.1%            |
| SAU802121     | BAN105100       | 51%      | 94.7%          | 97.6%            |
| SAU802121     | BAN113042       | 66%      | 94.7%          | 97.9%            |
| SAU802121     | BFR103103       | 54%      | 84.2%          | 55.7%            |
| SAU802121     | BPT100264       | 51%      | 91.6%          | 97.1%            |
| SAU802121     | BBU100229       | 53%      | 87.4%          | 74.8%            |
| SAU802121     | BCE104048       | 50%      | 92.9%          | 98.1%            |
| SAU802121     | BFU105309       | 51%      | 90.0%          | 94.4%            |
| SAU802121     | BMA101995       | 50%      | 92.9%          | 98.1%            |
| SAU802121     | CJU101081       | 51%      | 94.1%          | 97.7%            |
| SAU802121     | CPN200135       | 53%      | 91.8%          | 87.3%            |
| SAU802121     | CTR200767       | 53%      | 91.3%          | 96.2%            |
| SAU802121     | CAC102868       | 58%      | 82.6%          | 75.4%            |
| SAU802121     | CBO103912       | 55%      | 96.1%          | 87.1%            |
| SAU802121     | CDF100058       | 61%      | 76.7%          | 67.6%            |
| SAU802121     | CDP100068       | 53%      | 82.9%          | 54.4%            |
| SAU802121     | EBC103271       | 59%      | 60.3%          | 100%             |
| SAU802121     | EFA201306       | 65%      | 92.0%          | 93.7%            |
| SAU802121     | ECO103697       | 52%      | 93.2%          | 98.6%            |
| SAU802121     | HIN100281       | 53%      | 93.2%          | 98.6%            |
| SAU802121     | HPY100543       | 51%      | 95.9%          | 96.6%            |
| SAU802121     | KPN301899       | 53%      | 86.1%          | 95%              |
| SAU802121     | LMO101598       | 66%      | 92.9%          | 96.7%            |
| SAU802121     | MCA100009       | 40%      | 42.5%          | 96.4%            |
| SAU802121     | MAV106530       | 54%      | 82.6%          | 61.6%            |
| SAU802121     | MBV105502       | 52%      | 86.5%          | 64.0%            |
| SAU802121     | MLP100698       | 51%      | 86.5%          | 63.1%            |
| SAU802121     | MTU201280       | 52%      | 86.5%          | 64.0%            |
| SAU802121     | NGO100759       | 52%      | 91.3%          | 96.7%            |
| SAU802121     | NME200762       | 52%      | 91.3%          | 96.7%            |
| SAU802121     | PMU101920       | 52%      | 93.2%          | 98.6%            |
| SAU802121     | PRT102841       | 52%      | 93.2%          | 98.6%            |
| SAU802121     | PAE205234       | 53%      | 91.6%          | 96.9%            |
| SAU802121     | PPU100260       | 52%      | 90.4%          | 99.5%            |
| SAU802121     | PSY100590       | 52%      | 91.6%          | 96.9%            |
| SAU802121     | SPA103748       | 52%      | 93.2%          | 98.6%            |
| SAU802121     | STY102102       | 52%      | 93.2%          | 98.6%            |
| SAU802121     | STM101036       | 52%      | 93.2%          | 98.6%            |
| SAU802121     | SAU802121       | 100%     | 100%           | 100%             |
| SAU802121     | SEP201911       | 95%      | 100%           | 100%             |
| SAU802121     | SHA100146       | 94%      | 99.1%          | 96.0%            |
| SAU802121     | TPA100251       | 53%      | 89.0%          | 75.5%            |
| SAU802121     | VCH100303       | 52%      | 92.9%          | 98.3%            |
| SAU802121     | YPS001531       | 51%      | 93.2%          | 98.6%            |
| SAU802124     | BAN108367       | 44%      | 84.2%          | 83.4%            |
| SAU802124     | BAN107764       | 59%      | 98.8%          | 96.7%            |
| SAU802124     | BFR11634        | 34%      | 97.1%          | 98.2%            |
| SAU802124     | BBU100471       | 34%      | 97.1%          | 94.1%            |
| SAU802124     | BCE107676       | 42%      | 91.9%          | 98.2%            |
| SAU802124     | CAC102006       | 50%      | 98.3%          | 98.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802124     | CBO103182       | 53%      | 97.6%          | 97.6%            |
| SAU802124     | EBC101214       | 42%      | 97.4%          | 97.6%            |
| SAU802124     | EFA201309       | 54%      | 97.6%          | 95.6%            |
| SAU802124     | ECO103119       | 42%      | 97.4%          | 97.6%            |
| SAU802124     | HPY100640       | 40%      | 98.1%          | 98.3%            |
| SAU802124     | KPN301069       | 42%      | 97.4%          | 97.6%            |
| SAU802124     | LMO102733       | 57%      | 97.1%          | 96.2%            |
| SAU802124     | MAV102894       | 37%      | 52.7%          | 98.2%            |
| SAU802124     | NGO102024       | 43%      | 97.6%          | 98.1%            |
| SAU802124     | PRT100966       | 42%      | 97.4%          | 97.4%            |
| SAU802124     | PAE204448       | 44%      | 97.1%          | 97.6%            |
| SAU802124     | PSY104793       | 43%      | 90.7%          | 98.7%            |
| SAU802124     | SPA100481       | 39%      | 43.9%          | 96.9%            |
| SAU802124     | STY101491       | 43%      | 97.4%          | 97.6%            |
| SAU802124     | SAU802124       | 100%     | 100%           | 100%             |
| SAU802124     | SEP201914       | 85%      | 100%           | 100%             |
| SAU802124     | SHA101919       | 83%      | 100%           | 100%             |
| SAU802124     | SMU101064       | 51%      | 97.6%          | 98.1%            |
| SAU802124     | SPN400989       | 52%      | 97.6%          | 98.1%            |
| SAU802124     | SPY201041       | 52%      | 97.6%          | 98.1%            |
| SAU802124     | TPA100028       | 31%      | 98.1%          | 98.8%            |
| SAU802124     | YPS002303       | 43%      | 97.4%          | 97.6%            |
| SAU802125     | ABA100914       | 33%      | 99.7%          | 95.4%            |
| SAU802125     | BAN112047       | 72%      | 97.2%          | 100%             |
| SAU802125     | BAN107884       | 76%      | 99.7%          | 100%             |
| SAU802125     | BFR11934        | 38%      | 98.6%          | 96.7%            |
| SAU802125     | BPT102002       | 38%      | 99.7%          | 92.9%            |
| SAU802125     | BBU100444       | 26%      | 94.8%          | 93.0%            |
| SAU802125     | BCE111090       | 35%      | 97.9%          | 92.8%            |
| SAU802125     | BFU111409       | 34%      | 99.7%          | 92.7%            |
| SAU802125     | BMA102172       | 35%      | 97.9%          | 92.8%            |
| SAU802125     | CJU100558       | 26%      | 95.1%          | 93.2%            |
| SAU802125     | CAC101944       | 53%      | 99.0%          | 99.7%            |
| SAU802125     | CBO101028       | 43%      | 96.9%          | 96.8%            |
| SAU802125     | CDF100408       | 44%      | 99.3%          | 99.6%            |
| SAU802125     | CDF101639       | 43%      | 99.7%          | 97.9%            |
| SAU802125     | CDP101376       | 30%      | 92.7%          | 92.4%            |
| SAU802125     | EBC104459       | 41%      | 99.7%          | 100%             |
| SAU802125     | EFA201312       | 48%      | 99.7%          | 100%             |
| SAU802125     | EFM201171       | 39%      | 96.2%          | 94.8%            |
| SAU802125     | ECO102055       | 42%      | 99.7%          | 99.3%            |
| SAU802125     | HIN100503       | 26%      | 93.0%          | 91.4%            |
| SAU802125     | HPY100173       | 43%      | 98.6%          | 99.3%            |
| SAU802125     | KPN306125       | 51%      | 98.6%          | 99.3%            |
| SAU802125     | LMO100774       | 65%      | 99.7%          | 100%             |
| SAU802125     | MCA100353       | 34%      | 99.7%          | 95.4%            |
| SAU802125     | MBV102190       | 27%      | 92.7%          | 92.4%            |
| SAU802125     | MLP100198       | 29%      | 92.7%          | 92.2%            |
| SAU802125     | MTU200362       | 27%      | 92.7%          | 92.4%            |
| SAU802125     | MGE100023       | 44%      | 99.0%          | 99.7%            |
| SAU802125     | MPN100129       | 45%      | 99.0%          | 99.7%            |
| SAU802125     | NGO101574       | 35%      | 99.7%          | 92.9%            |
| SAU802125     | NME200544       | 35%      | 99.7%          | 92.9%            |
| SAU802125     | PMU101373       | 37%      | 99.7%          | 98.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802125     | PRT102752       | 40%      | 96.9%          | 97.2%            |
| SAU802125     | PAE200554       | 34%      | 99.7%          | 92.9%            |
| SAU802125     | PPU104672       | 34%      | 99.7%          | 94.3%            |
| SAU802125     | PSY100210       | 34%      | 99.7%          | 92.9%            |
| SAU802125     | SPA103912       | 43%      | 97.9%          | 98.2%            |
| SAU802125     | STY100942       | 43%      | 97.9%          | 98.2%            |
| SAU802125     | STM101386       | 43%      | 97.9%          | 98.2%            |
| SAU802125     | SAU802125       | 100%     | 100%           | 100%             |
| SAU802125     | SEP201915       | 95%      | 100%           | 100%             |
| SAU802125     | SHA101918       | 93%      | 100%           | 100%             |
| SAU802125     | SMU101408       | 45%      | 99.7%          | 100%             |
| SAU802125     | SPN400530       | 44%      | 99.7%          | 100%             |
| SAU802125     | SPY201455       | 45%      | 99.7%          | 100%             |
| SAU802125     | TPA100654       | 39%      | 99.0%          | 97.6%            |
| SAU802125     | UUR100603       | 43%      | 99.7%          | 99.3%            |
| SAU802125     | VCH100473       | 26%      | 89.5%          | 88.5%            |
| SAU802125     | YPS000084       | 41%      | 99.3%          | 99.6%            |
| SAU802130     | BAN113149       | 31%      | 46.8%          | 97.0%            |
| SAU802130     | BAN107309       | 36%      | 97.8%          | 95.7%            |
| SAU802130     | EFA202449       | 23%      | 54.7%          | 10.6%            |
| SAU802130     | PSY101953       | 20%      | 63.7%          | 37.3%            |
| SAU802130     | SAU802130       | 100%     | 100%           | 100%             |
| SAU802130     | SEP201922       | 75%      | 99.3%          | 97.4%            |
| SAU802130     | SHA102983       | 77%      | 99.3%          | 99.6%            |
| SAU802133     | BAN111842       | 44%      | 37.3%          | 96.7%            |
| SAU802133     | BAN109593       | 58%      | 49.7%          | 92.9%            |
| SAU802133     | BAN105036       | 53%      | 99.2%          | 97.8%            |
| SAU802133     | CAC101783       | 22%      | 97.7%          | 99.5%            |
| SAU802133     | CBO102190       | 27%      | 97.0%          | 96.9%            |
| SAU802133     | CDF101111       | 30%      | 96.7%          | 93.6%            |
| SAU802133     | CDF101575       | 35%      | 93.1%          | 94.2%            |
| SAU802133     | CDF100587       | 38%      | 97.0%          | 98.2%            |
| SAU802133     | EBC100570       | 34%      | 66.5%          | 63.3%            |
| SAU802133     | EFM202575       | 45%      | 98.7%          | 96.6%            |
| SAU802133     | ECO101308       | 33%      | 66.0%          | 57.4%            |
| SAU802133     | KPN304546       | 31%      | 67.0%          | 58.2%            |
| SAU802133     | MAV100227       | 33%      | 99.0%          | 97.2%            |
| SAU802133     | MBV100846       | 33%      | 95.4%          | 95.2%            |
| SAU802133     | MTU203263       | 33%      | 95.4%          | 95.2%            |
| SAU802133     | SAU802133       | 100%     | 100%           | 100%             |
| SAU802133     | SEP201928       | 85%      | 100%           | 100%             |
| SAU802133     | SHA101910       | 86%      | 100%           | 100%             |
| SAU802137     | BAN109977       | 64%      | 91.8%          | 100%             |
| SAU802137     | BAN102250       | 66%      | 95.9%          | 95.1%            |
| SAU802137     | BFR12234        | 34%      | 70.9%          | 55.4%            |
| SAU802137     | BCE105592       | 55%      | 57.7%          | 98.4%            |
| SAU802137     | BFU103022       | 31%      | 68.6%          | 47.6%            |
| SAU802137     | BFU108762       | 30%      | 72.3%          | 50%              |
| SAU802137     | BMA104956       | 36%      | 92.3%          | 81.2%            |
| SAU802137     | CAC100384       | 63%      | 95.9%          | 98.6%            |
| SAU802137     | CBO100256       | 58%      | 96.4%          | 100%             |
| SAU802137     | CDF100310       | 48%      | 98.2%          | 97.7%            |
| SAU802137     | CDP101627       | 45%      | 95.9%          | 95.9%            |
| SAU802137     | EBC103572       | 32%      | 92.7%          | 84.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802137     | EFA202355       | 63%      | 96.8%          | 97.3%            |
| SAU802137     | EFM201549       | 62%      | 96.8%          | 97.3%            |
| SAU802137     | ECO104267       | 34%      | 92.7%          | 83.8%            |
| SAU802137     | HIN101089       | 55%      | 96.4%          | 94.6%            |
| SAU802137     | KPN308783       | 35%      | 92.7%          | 83.1%            |
| SAU802137     | LPN101764       | 30%      | 81.8%          | 72.8%            |
| SAU802137     | LMO101987       | 64%      | 96.8%          | 96.0%            |
| SAU802137     | MAV103921       | 45%      | 48.6%          | 96.6%            |
| SAU802137     | MBV102346       | 45%      | 95.9%          | 95.1%            |
| SAU802137     | MLP101461       | 42%      | 95.9%          | 95.1%            |
| SAU802137     | MTU200476       | 45%      | 95.9%          | 95.1%            |
| SAU802137     | MGE100050       | 45%      | 95.9%          | 94.2%            |
| SAU802137     | MPN100091       | 46%      | 95.5%          | 93.3%            |
| SAU802137     | PMU101343       | 55%      | 96.4%          | 94.6%            |
| SAU802137     | PRT101388       | 53%      | 98.6%          | 98.2%            |
| SAU802137     | PAE201382       | 27%      | 51.4%          | 20.5%            |
| SAU802137     | PSY100190       | 32%      | 76.8%          | 68.3%            |
| SAU802137     | SPA100057       | 34%      | 70.5%          | 83.5%            |
| SAU802137     | STY104584       | 32%      | 93.2%          | 82.3%            |
| SAU802137     | STM100357       | 33%      | 92.7%          | 81.9%            |
| SAU802137     | SAU800138       | 97%      | 100%           | 100%             |
| SAU802137     | SAU802137       | 100%     | 100%           | 100%             |
| SAU802137     | SEP201938       | 78%      | 100%           | 100%             |
| SAU802137     | SHA101905       | 84%      | 100%           | 100%             |
| SAU802137     | SMU100919       | 60%      | 100%           | 100%             |
| SAU802137     | SPN400745       | 59%      | 100%           | 100%             |
| SAU802137     | SPY201436       | 45%      | 97.7%          | 96.0%            |
| SAU802137     | TPA100261       | 41%      | 93.6%          | 95.4%            |
| SAU802137     | UUR100592       | 46%      | 93.2%          | 95.3%            |
| SAU802137     | VCH102315       | 34%      | 86.4%          | 78.0%            |
| SAU802137     | YPS001140       | 53%      | 97.7%          | 96.4%            |
| SAU802139     | BAN113297       | 49%      | 96.6%          | 98.6%            |
| SAU802139     | BAN110089       | 51%      | 97.3%          | 97.9%            |
| SAU802139     | BFR12031        | 33%      | 82.3%          | 87.7%            |
| SAU802139     | BPT102735       | 32%      | 95.2%          | 75.3%            |
| SAU802139     | BBU100689       | 25%      | 93.2%          | 73.5%            |
| SAU802139     | BCE107273       | 33%      | 98.6%          | 89.5%            |
| SAU802139     | BFU102626       | 31%      | 98.6%          | 67.1%            |
| SAU802139     | BMA103777       | 32%      | 98.6%          | 89.5%            |
| SAU802139     | CJU101443       | 27%      | 95.2%          | 94.6%            |
| SAU802139     | CDP100814       | 28%      | 98.6%          | 90.1%            |
| SAU802139     | EBC100875       | 22%      | 97.3%          | 84.4%            |
| SAU802139     | EFA200810       | 28%      | 92.5%          | 89.0%            |
| SAU802139     | EFA200155       | 34%      | 91.8%          | 88.4%            |
| SAU802139     | EFM200208       | 33%      | 48.3%          | 72.4%            |
| SAU802139     | ECO100788       | 23%      | 97.3%          | 84.4%            |
| SAU802139     | HIN101315       | 32%      | 94.6%          | 86.9%            |
| SAU802139     | HPY100239       | 32%      | 96.6%          | 97.2%            |
| SAU802139     | KPN300031       | 20%      | 78.9%          | 87.0%            |
| SAU802139     | KPN303559       | 20%      | 97.3%          | 84.4%            |
| SAU802139     | LMO102910       | 43%      | 98.0%          | 93.6%            |
| SAU802139     | MAV101663       | 24%      | 92.5%          | 74.7%            |
| SAU802139     | PMU100817       | 34%      | 95.9%          | 88.7%            |
| SAU802139     | PRT106088       | 23%      | 92.5%          | 74.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802139     | PAE200961       | 31%      | 95.9%          | 90.4%            |
| SAU802139     | PPU108680       | 30%      | 98.0%          | 91.7%            |
| SAU802139     | PSY105983       | 33%      | 98.0%          | 91.7%            |
| SAU802139     | SPA101972       | 23%      | 97.3%          | 84.4%            |
| SAU802139     | STY102376       | 23%      | 97.3%          | 84.4%            |
| SAU802139     | SAU802139       | 100%     | 100%           | 100%             |
| SAU802139     | SEP201942       | 84%      | 99.3%          | 98.6%            |
| SAU802139     | SHA101903       | 84%      | 98.0%          | 98.6%            |
| SAU802139     | SMU100064       | 33%      | 92.5%          | 78.9%            |
| SAU802139     | SPN401429       | 35%      | 92.5%          | 77.0%            |
| SAU802139     | SPY201180       | 33%      | 91.2%          | 77.7%            |
| SAU802139     | TPA101028       | 29%      | 95.2%          | 79.7%            |
| SAU802139     | VCH100138       | 29%      | 98.6%          | 92.9%            |
| SAU802139     | YPS000339       | 23%      | 93.2%          | 80.8%            |
| SAU802152     | BFR101055       | 28%      | 97.9%          | 98.5%            |
| SAU802152     | HPY100644       | 26%      | 43.5%          | 59.4%            |
| SAU802152     | SAU802152       | 100%     | 100%           | 100%             |
| SAU802152     | SEP201959       | 69%      | 99.3%          | 99.3%            |
| SAU802152     | SHA102869       | 66%      | 74.0%          | 99.5%            |
| SAU802152     | SPN401123       | 26%      | 100%           | 99.6%            |
| SAU802154     | ABA103622       | 43%      | 100%           | 100%             |
| SAU802154     | BAN106917       | 49%      | 100%           | 100%             |
| SAU802154     | BAN102903       | 70%      | 100%           | 100%             |
| SAU802154     | BFR105590       | 56%      | 8.2%           | 33.6%            |
| SAU802154     | BPT101720       | 40%      | 100%           | 100%             |
| SAU802154     | BCE109254       | 39%      | 100%           | 100%             |
| SAU802154     | BFU109440       | 44%      | 17.5%          | 77.9%            |
| SAU802154     | BFU103182       | 40%      | 100%           | 100%             |
| SAU802154     | BMA102722       | 39%      | 100%           | 100%             |
| SAU802154     | CJU101290       | 36%      | 100%           | 100%             |
| SAU802154     | CPN200876       | 38%      | 100%           | 100%             |
| SAU802154     | CTR200198       | 38%      | 100%           | 100%             |
| SAU802154     | CAC103586       | 45%      | 100%           | 100%             |
| SAU802154     | CBO102655       | 43%      | 100%           | 100%             |
| SAU802154     | CDF100284       | 44%      | 100%           | 100%             |
| SAU802154     | CDP100523       | 40%      | 96.2%          | 100%             |
| SAU802154     | EBC104245       | 41%      | 100%           | 100%             |
| SAU802154     | EFA201749       | 58%      | 100%           | 100%             |
| SAU802154     | EFM200906       | 23%      | 55.6%          | 94.0%            |
| SAU802154     | ECO103650       | 41%      | 100%           | 100%             |
| SAU802154     | HIN100409       | 39%      | 100%           | 100%             |
| SAU802154     | HPY101510       | 37%      | 100%           | 100%             |
| SAU802154     | KPN300721       | 40%      | 100%           | 100%             |
| SAU802154     | LPN102850       | 38%      | 100%           | 100%             |
| SAU802154     | LMO101794       | 65%      | 100%           | 100%             |
| SAU802154     | MCA103570       | 37%      | 100%           | 100%             |
| SAU802154     | MAV105640       | 40%      | 100%           | 96.1%            |
| SAU802154     | MBV101159       | 39%      | 97.2%          | 100%             |
| SAU802154     | MLP100237       | 39%      | 100%           | 100%             |
| SAU802154     | MTU203389       | 39%      | 100%           | 100%             |
| SAU802154     | NGO101887       | 38%      | 100%           | 100%             |
| SAU802154     | NME200260       | 38%      | 100%           | 100%             |
| SAU802154     | PMU101731       | 39%      | 100%           | 100%             |
| SAU802154     | PRT104794       | 42%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802154     | PAE205544       | 42%      | 100%           | 100%             |
| SAU802154     | PPU102151       | 43%      | 100%           | 100%             |
| SAU802154     | PSY103460       | 42%      | 100%           | 100%             |
| SAU802154     | SPA101582       | 38%      | 100%           | 100%             |
| SAU802154     | STY103864       | 41%      | 100%           | 100%             |
| SAU802154     | STM100312       | 19%      | 55.9%          | 94.3%            |
| SAU802154     | SAU802154       | 100%     | 100%           | 100%             |
| SAU802154     | SEP201962       | 89%      | 100%           | 100%             |
| SAU802154     | SHA100979       | 88%      | 100%           | 100%             |
| SAU802154     | SMU101007       | 56%      | 100%           | 100%             |
| SAU802154     | SPN400245       | 57%      | 100%           | 100%             |
| SAU802154     | SPY200983       | 57%      | 100%           | 100%             |
| SAU802154     | TPA100852       | 37%      | 100%           | 100%             |
| SAU802154     | VCH100482       | 39%      | 100%           | 100%             |
| SAU802154     | YPS003544       | 41%      | 100%           | 100%             |
| SAU802158     | CAC102954       | 48%      | 97.9%          | 97.3%            |
| SAU802158     | CDF104113       | 44%      | 100%           | 99.3%            |
| SAU802158     | EBC101475       | 39%      | 91.0%          | 35.1%            |
| SAU802158     | EFA201285       | 44%      | 93.8%          | 95.9%            |
| SAU802158     | EFM202400       | 44%      | 90.3%          | 92.4%            |
| SAU802158     | ECO102128       | 42%      | 81.9%          | 31.6%            |
| SAU802158     | HIN100428       | 40%      | 89.6%          | 26.1%            |
| SAU802158     | KPN102504       | 38%      | 88.9%          | 67.9%            |
| SAU802158     | MPN100189       | 28%      | 89.6%          | 90.2%            |
| SAU802158     | PAE100175       | 41%      | 84.7%          | 33.2%            |
| SAU802158     | SAU802158       | 100%     | 100%           | 100%             |
| SAU802158     | SMU101001       | 38%      | 96.5%          | 98.6%            |
| SAU802158     | SPN400358       | 40%      | 93.1%          | 95.2%            |
| SAU802158     | YPS001090       | 36%      | 92.4%          | 35.5%            |
| SAU802159     | ABA105269       | 26%      | 40.5%          | 44.3%            |
| SAU802159     | BCE113957       | 28%      | 38.0%          | 40.6%            |
| SAU802159     | BFU102350       | 25%      | 56.8%          | 49.4%            |
| SAU802159     | BMA101585       | 27%      | 59.5%          | 47.8%            |
| SAU802159     | CAC102601       | 36%      | 96.5%          | 95.3%            |
| SAU802159     | CDF104333       | 39%      | 98.6%          | 97.9%            |
| SAU802159     | EBC103811       | 37%      | 99.5%          | 98.7%            |
| SAU802159     | EFA201284       | 42%      | 96.2%          | 94.8%            |
| SAU802159     | EFM200126       | 42%      | 96.2%          | 95.0%            |
| SAU802159     | ECO103522       | 37%      | 99.7%          | 99.7%            |
| SAU802159     | KPN305795       | 38%      | 99.2%          | 98.4%            |
| SAU802159     | MAV108334       | 28%      | 58.7%          | 49.9%            |
| SAU802159     | MPN100190       | 24%      | 92.1%          | 90.7%            |
| SAU802159     | PMU101062       | 38%      | 99.7%          | 99.2%            |
| SAU802159     | PAE202340       | 24%      | 45.7%          | 38.5%            |
| SAU802159     | PSY101120       | 27%      | 47.6%          | 39.8%            |
| SAU802159     | SPA103111       | 37%      | 99.5%          | 99.5%            |
| SAU802159     | STY100406       | 38%      | 99.5%          | 99.5%            |
| SAU802159     | STM104137       | 38%      | 99.5%          | 99.5%            |
| SAU802159     | SAU802159       | 100%     | 100%           | 100%             |
| SAU802159     | SMU100999       | 41%      | 99.5%          | 99.2%            |
| SAU802159     | SPN400359       | 39%      | 97.8%          | 98.7%            |
| SAU802159     | VCH103762       | 41%      | 98.1%          | 96.1%            |
| SAU802159     | YPS003325       | 37%      | 99.7%          | 98.4%            |
| SAU802160     | BFR11305        | 19%      | 46.2%          | 73.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802160     | BFU115165       | 25%      | 6.6%           | 67.1%            |
| SAU802160     | BFU101113       | 21%      | 70.6%          | 97.6%            |
| SAU802160     | BMA106913       | 27%      | 1.5%           | 75.4%            |
| SAU802160     | EFA200160       | 23%      | 20.0%          | 68.3%            |
| SAU802160     | KPN107267       | 19%      | 31.6%          | 61.3%            |
| SAU802160     | LMO102026       | 20%      | 13.1%          | 47.4%            |
| SAU802160     | MAV105337       | 19%      | 21.6%          | 59.6%            |
| SAU802160     | MBV105545       | 20%      | 6.9%           | 59.3%            |
| SAU802160     | MLP100688       | 20%      | 28.7%          | 82.7%            |
| SAU802160     | MTU201261       | 20%      | 6.9%           | 59.3%            |
| SAU802160     | MGE100398       | 17%      | 20.0%          | 48.3%            |
| SAU802160     | NME200837       | 20%      | 64.2%          | 38.7%            |
| SAU802160     | PPU102763       | 36%      | 4.8%           | 9.4%             |
| SAU802160     | PSY104388       | 20%      | 7.7%           | 76.4%            |
| SAU802160     | SAU802160       | 100%     | 100%           | 100%             |
| SAU802160     | SHA100633       | 25%      | 86.9%          | 70.1%            |
| SAU802160     | SHA100651       | 34%      | 50.7%          | 55.8%            |
| SAU802160     | SHA101424       | 30%      | 35.6%          | 99.9%            |
| SAU802160     | SHA101983       | 30%      | 88.4%          | 10.3%            |
| SAU802160     | SPN400581       | 18%      | 36.0%          | 23.2%            |
| SAU802160     | SPN401042       | 20%      | 6.4%           | 26.2%            |
| SAU802160     | SPY200538       | 21%      | 77.2%          | 47.8%            |
| SAU802161     | ABA104792       | 42%      | 98.2%          | 98.7%            |
| SAU802161     | BAN112515       | 62%      | 76.9%          | 76.2%            |
| SAU802161     | BAN107998       | 67%      | 99.8%          | 100%             |
| SAU802161     | BFR11957        | 24%      | 96.9%          | 97.6%            |
| SAU802161     | BPT101024       | 41%      | 97.3%          | 98.2%            |
| SAU802161     | BCE111154       | 40%      | 94.7%          | 97.9%            |
| SAU802161     | BFU108542       | 38%      | 64.1%          | 87.1%            |
| SAU802161     | BMA109028       | 41%      | 98.0%          | 98.5%            |
| SAU802161     | CJU100328       | 37%      | 98.0%          | 98.0%            |
| SAU802161     | CPN200877       | 43%      | 98.9%          | 97.6%            |
| SAU802161     | CTR200197       | 44%      | 98.4%          | 96.9%            |
| SAU802161     | CAC102696       | 49%      | 98.9%          | 99.6%            |
| SAU802161     | CBO100852       | 48%      | 99.1%          | 98.9%            |
| SAU802161     | CDF100285       | 51%      | 98.7%          | 95.1%            |
| SAU802161     | CDP100049       | 49%      | 98.2%          | 98.7%            |
| SAU802161     | EBC102674       | 45%      | 98.0%          | 98.7%            |
| SAU802161     | EFA201741       | 61%      | 99.8%          | 100%             |
| SAU802161     | EFM202621       | 25%      | 93.1%          | 92.2%            |
| SAU802161     | ECO103106       | 44%      | 98.0%          | 98.7%            |
| SAU802161     | HIN101431       | 47%      | 98.0%          | 98.4%            |
| SAU802161     | HIN101303       | 47%      | 98.0%          | 98.4%            |
| SAU802161     | HPY100073       | 38%      | 97.3%          | 98.2%            |
| SAU802161     | KPN300882       | 45%      | 69.4%          | 98.4%            |
| SAU802161     | LPN103638       | 45%      | 97.3%          | 95.6%            |
| SAU802161     | LMO100393       | 66%      | 99.8%          | 99.8%            |
| SAU802161     | MCA101170       | 40%      | 98.4%          | 99.1%            |
| SAU802161     | MAV103417       | 48%      | 98.2%          | 99.1%            |
| SAU802161     | MBV101154       | 47%      | 98.2%          | 99.1%            |
| SAU802161     | MLP100234       | 48%      | 98.2%          | 95.2%            |
| SAU802161     | MTU203394       | 47%      | 98.2%          | 99.1%            |
| SAU802161     | NGO100553       | 43%      | 97.8%          | 98.4%            |
| SAU802161     | NME201798       | 43%      | 97.8%          | 98.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802161     | PMU100440       | 47%      | 98.0%          | 98.6%            |
| SAU802161     | PRT100621       | 47%      | 98.0%          | 98.4%            |
| SAU802161     | PAE204745       | 45%      | 98.2%          | 98.7%            |
| SAU802161     | PPU108507       | 45%      | 97.8%          | 98.2%            |
| SAU802161     | PSY104836       | 44%      | 98.2%          | 98.4%            |
| SAU802161     | SPA100515       | 46%      | 58.1%          | 98.5%            |
| SAU802161     | STY101478       | 44%      | 98.0%          | 98.7%            |
| SAU802161     | SAU802161       | 100%     | 100%           | 100%             |
| SAU802161     | SEP201964       | 92%      | 100%           | 100%             |
| SAU802161     | SHA100977       | 88%      | 99.8%          | 100%             |
| SAU802161     | SMU100302       | 59%      | 99.6%          | 100%             |
| SAU802161     | SPN401416       | 60%      | 99.8%          | 100%             |
| SAU802161     | SPY200785       | 60%      | 99.8%          | 99.8%            |
| SAU802161     | TPA100409       | 39%      | 19.3%          | 13.4%            |
| SAU802161     | VCH100627       | 43%      | 98.2%          | 98.4%            |
| SAU802161     | YPS001055       | 45%      | 98.0%          | 98.4%            |
| SAU802162     | BAN107590       | 24%      | 98.1%          | 66.4%            |
| SAU802162     | BAN101871       | 27%      | 100%           | 62.1%            |
| SAU802162     | CAC101443       | 24%      | 97.7%          | 74.2%            |
| SAU802162     | CBO101794       | 26%      | 78.7%          | 57.7%            |
| SAU802162     | CDF103998       | 23%      | 97.4%          | 74.3%            |
| SAU802162     | EFA201739       | 26%      | 92.6%          | 74.7%            |
| SAU802162     | EFM101102       | 22%      | 91.6%          | 73.5%            |
| SAU802162     | LMO100488       | 34%      | 41.9%          | 96.9%            |
| SAU802162     | MBV101680       | 34%      | 13.9%          | 12.6%            |
| SAU802162     | MTU200828       | 34%      | 13.9%          | 12.6%            |
| SAU802162     | NME104849       | 21%      | 74.8%          | 44.1%            |
| SAU802162     | SAU802162       | 100%     | 100%           | 100%             |
| SAU802162     | SEP201966       | 70%      | 100%           | 99.7%            |
| SAU802162     | SHA100469       | 69%      | 71.6%          | 100%             |
| SAU802162     | SMU100303       | 27%      | 91.0%          | 89.9%            |
| SAU802162     | SPN401417       | 22%      | 68.4%          | 83.4%            |
| SAU802162     | SPY200784       | 23%      | 93.2%          | 92.5%            |
| SAU802170     | ABA101286       | 32%      | 88.6%          | 93.9%            |
| SAU802170     | BAN111561       | 26%      | 30.3%          | 94.5%            |
| SAU802170     | BAN110295       | 30%      | 88.6%          | 92.2%            |
| SAU802170     | BFR103995       | 34%      | 88.2%          | 95.4%            |
| SAU802170     | BBU100117       | 26%      | 99.6%          | 98.7%            |
| SAU802170     | BCE107682       | 31%      | 86.8%          | 96.1%            |
| SAU802170     | BFU103494       | 28%      | 86.8%          | 96.1%            |
| SAU802170     | BMA100077       | 24%      | 40.8%          | 93.1%            |
| SAU802170     | CAC102285       | 35%      | 89.0%          | 95.7%            |
| SAU802170     | CBO101117       | 37%      | 89.0%          | 94.4%            |
| SAU802170     | CDF103680       | 31%      | 89.0%          | 96.3%            |
| SAU802170     | CDP100520       | 24%      | 83.3%          | 84.8%            |
| SAU802170     | EBC102963       | 34%      | 89.9%          | 93.6%            |
| SAU802170     | EFA201192       | 35%      | 87.7%          | 93.1%            |
| SAU802170     | EFM100507       | 33%      | 87.7%          | 93.1%            |
| SAU802170     | ECO102835       | 32%      | 89.9%          | 93.6%            |
| SAU802170     | KPN303348       | 32%      | 89.9%          | 93.6%            |
| SAU802170     | LMO101419       | 31%      | 92.1%          | 99.5%            |
| SAU802170     | MAV100786       | 31%      | 81.1%          | 56.2%            |
| SAU802170     | MBV104176       | 27%      | 86.0%          | 91.7%            |
| SAU802170     | MTU201073       | 27%      | 86.0%          | 91.7%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802170     | NGO101498       | 32%      | 74.6%          | 83.2%            |
| SAU802170     | NME201751       | 32%      | 74.6%          | 83.2%            |
| SAU802170     | PRT102034       | 30%      | 36.8%          | 25.6%            |
| SAU802170     | PAE204828       | 32%      | 87.3%          | 96.1%            |
| SAU802170     | PPU109350       | 32%      | 89.5%          | 98.5%            |
| SAU802170     | PSY103607       | 34%      | 71.9%          | 99.4%            |
| SAU802170     | SPA102067       | 35%      | 89.0%          | 94.9%            |
| SAU802170     | STY104155       | 34%      | 89.9%          | 93.6%            |
| SAU802170     | SAU802170       | 100%     | 100%           | 100%             |
| SAU802170     | SEP201988       | 82%      | 99.6%          | 100%             |
| SAU802170     | SHA100595       | 85%      | 99.6%          | 100%             |
| SAU802170     | SMU100942       | 54%      | 93.9%          | 97.7%            |
| SAU802170     | SPN401319       | 55%      | 90.4%          | 95.3%            |
| SAU802170     | SPY200885       | 54%      | 93.9%          | 98.6%            |
| SAU802170     | TPA101027       | 38%      | 88.2%          | 85.3%            |
| SAU802170     | VCH100040       | 35%      | 89.5%          | 94.9%            |
| SAU802170     | YPS000173       | 33%      | 89.5%          | 87.6%            |
| SAU802171     | CPN200994       | 30%      | 97.5%          | 84.8%            |
| SAU802171     | CTR200088       | 30%      | 99.0%          | 86.4%            |
| SAU802171     | CAC100688       | 25%      | 22.8%          | 34.9%            |
| SAU802171     | EFM202390       | 26%      | 22.3%          | 47.6%            |
| SAU802171     | SAU802171       | 100%     | 100%           | 100%             |
| SAU802171     | SEP201990       | 77%      | 100%           | 100%             |
| SAU802171     | SHA100594       | 69%      | 100%           | 100%             |
| SAU802176     | BFR10841        | 33%      | 30.9%          | 98.2%            |
| SAU802176     | BFR12085        | 27%      | 56.6%          | 88.4%            |
| SAU802176     | BFR102986       | 27%      | 93.9%          | 97.9%            |
| SAU802176     | BFR100727       | 28%      | 91.8%          | 96.4%            |
| SAU802176     | ECO203932       | 33%      | 94.2%          | 99.4%            |
| SAU802176     | KPN103323       | 29%      | 88.9%          | 96.3%            |
| SAU802176     | PRT101434       | 33%      | 91.3%          | 96.7%            |
| SAU802176     | PSY102146       | 33%      | 82.2%          | 86.6%            |
| SAU802176     | SAU802176       | 100%     | 100%           | 100%             |
| SAU802176     | SEP202002       | 72%      | 100%           | 100%             |
| SAU802176     | SHA100066       | 71%      | 100%           | 100%             |
| SAU802176     | SPN400935       | 35%      | 94.5%          | 96.8%            |
| SAU802176     | YPS002673       | 34%      | 90.7%          | 94.9%            |
| SAU802177     | BAN107236       | 33%      | 74.0%          | 92.0%            |
| SAU802177     | BAN102502       | 33%      | 88.7%          | 90.4%            |
| SAU802177     | BCE100353       | 25%      | 78.3%          | 75.7%            |
| SAU802177     | BFU107408       | 25%      | 86.9%          | 79.7%            |
| SAU802177     | BMA101385       | 44%      | 29.1%          | 23.9%            |
| SAU802177     | EBC103345       | 37%      | 86.2%          | 89.3%            |
| SAU802177     | ECO104179       | 36%      | 86.2%          | 88.7%            |
| SAU802177     | KPN304212       | 25%      | 76.5%          | 81.1%            |
| SAU802177     | PMU100131       | 36%      | 88.4%          | 92.6%            |
| SAU802177     | PSY102144       | 36%      | 87.2%          | 91.6%            |
| SAU802177     | SPA100028       | 29%      | 33.6%          | 99.1%            |
| SAU802177     | STY103490       | 26%      | 73.7%          | 78.4%            |
| SAU802177     | STM103176       | 26%      | 73.7%          | 78.4%            |
| SAU802177     | SAU802177       | 100%     | 100%           | 100%             |
| SAU802177     | SEP202004       | 72%      | 100%           | 98.8%            |
| SAU802177     | SHA100119       | 69%      | 52.3%          | 100%             |
| SAU802177     | SPN200521       | 31%      | 51.4%          | 88.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802177     | VCH100200       | 25%      | 86.2%          | 85.6%            |
| SAU802181     | PRT104884       | 25%      | 60.6%          | 62.1%            |
| SAU802181     | STM104876       | 23%      | 10.2%          | 38.1%            |
| SAU802181     | SAU802181       | 100%     | 100%           | 100%             |
| SAU802181     | SEP202012       | 59%      | 100%           | 99.8%            |
| SAU802181     | SHA102033       | 56%      | 97.7%          | 98.2%            |
| SAU802183     | CBO101399       | 36%      | 67.1%          | 57.6%            |
| SAU802183     | EFA203038       | 29%      | 77.2%          | 96.8%            |
| SAU802183     | EFM200451       | 42%      | 58.2%          | 75.8%            |
| SAU802183     | SAU802183       | 100%     | 100%           | 100%             |
| SAU802183     | SEP202016       | 83%      | 100%           | 100%             |
| SAU802183     | SHA102688       | 77%      | 100%           | 100%             |
| SAU802183     | SPN401622       | 30%      | 58.2%          | 82.1%            |
| SAU802183     | SPY200972       | 36%      | 77.2%          | 98.4%            |
| SAU802184     | ABA104072       | 23%      | 64.6%          | 95.9%            |
| SAU802184     | EFA202511       | 27%      | 70.2%          | 70.4%            |
| SAU802184     | MBV100432       | 45%      | 17.4%          | 20.8%            |
| SAU802184     | MTU202703       | 45%      | 17.4%          | 20.8%            |
| SAU802184     | SAU802184       | 100%     | 100%           | 100%             |
| SAU802184     | SEP202018       | 86%      | 100%           | 100%             |
| SAU802184     | SHA102031       | 85%      | 100%           | 100%             |
| SAU802186     | ABA104325       | 41%      | 99.7%          | 99.4%            |
| SAU802186     | BAN104489       | 40%      | 23.9%          | 96.4%            |
| SAU802186     | BAN104922       | 50%      | 55.2%          | 98.9%            |
| SAU802186     | BAN107319       | 41%      | 99.4%          | 99.7%            |
| SAU802186     | BPT100756       | 31%      | 59.7%          | 60.2%            |
| SAU802186     | BCE108257       | 44%      | 99.7%          | 94.1%            |
| SAU802186     | BFU114209       | 43%      | 99.4%          | 98.5%            |
| SAU802186     | BMA103723       | 26%      | 91.3%          | 73.9%            |
| SAU802186     | CDP101649       | 25%      | 94.3%          | 95.9%            |
| SAU802186     | EBC103573       | 39%      | 91.9%          | 92.5%            |
| SAU802186     | EFA202428       | 31%      | 83.9%          | 83.5%            |
| SAU802186     | EFM202451       | 41%      | 99.7%          | 96.8%            |
| SAU802186     | ECO103945       | 33%      | 54.6%          | 54.4%            |
| SAU802186     | KPN306077       | 40%      | 91.9%          | 91.3%            |
| SAU802186     | LPN102544       | 36%      | 99.7%          | 98.5%            |
| SAU802186     | LMO100089       | 44%      | 99.4%          | 98.8%            |
| SAU802186     | MAV101562       | 32%      | 55.8%          | 55.2%            |
| SAU802186     | MBV100928       | 35%      | 54.3%          | 54.3%            |
| SAU802186     | MLP100086       | 26%      | 53.7%          | 52.1%            |
| SAU802186     | MTU201433       | 35%      | 54.3%          | 54.3%            |
| SAU802186     | PRT101880       | 34%      | 53.7%          | 53.5%            |
| SAU802186     | PAE203565       | 37%      | 99.4%          | 99.1%            |
| SAU802186     | PPU100559       | 38%      | 99.4%          | 98.5%            |
| SAU802186     | PSY102165       | 37%      | 99.4%          | 99.1%            |
| SAU802186     | SAU802186       | 100%     | 100%           | 100%             |
| SAU802186     | SEP202019       | 65%      | 100%           | 99.7%            |
| SAU802186     | SHA102028       | 69%      | 100%           | 99.7%            |
| SAU802186     | SMU100802       | 27%      | 71.9%          | 76.1%            |
| SAU802186     | VCH100542       | 27%      | 92.5%          | 86.1%            |
| SAU802186     | YPS000359       | 27%      | 91.9%          | 89.9%            |
| SAU802187     | ABA101379       | 44%      | 34.5%          | 82.7%            |
| SAU802187     | BCE113538       | 43%      | 98.8%          | 97.3%            |
| SAU802187     | BFU101504       | 42%      | 98.8%          | 97.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802187     | BMA105219       | 45%      | 98.8%          | 96.5%            |
| SAU802187     | EBC101789       | 47%      | 74.5%          | 93.9%            |
| SAU802187     | ECO101420       | 45%      | 99.1%          | 89.1%            |
| SAU802187     | KPN304015       | 48%      | 96.1%          | 94.2%            |
| SAU802187     | MAV106640       | 39%      | 100%           | 98.8%            |
| SAU802187     | MBV104295       | 23%      | 80.8%          | 14.5%            |
| SAU802187     | MTU403167       | 23%      | 80.8%          | 20.7%            |
| SAU802187     | PMU101940       | 21%      | 56.2%          | 78.0%            |
| SAU802187     | PAE202195       | 44%      | 98.8%          | 96.8%            |
| SAU802187     | PPU103733       | 43%      | 99.4%          | 97.7%            |
| SAU802187     | PSY104709       | 46%      | 83.8%          | 99.6%            |
| SAU802187     | SPA100754       | 43%      | 99.7%          | 96.3%            |
| SAU802187     | STY103772       | 43%      | 99.7%          | 97.7%            |
| SAU802187     | SAU802187       | 100%     | 100%           | 100%             |
| SAU802187     | SEP202022       | 72%      | 99.4%          | 99.1%            |
| SAU802189     | BFU102156       | 34%      | 96.0%          | 75.9%            |
| SAU802189     | CAC101421       | 57%      | 98.5%          | 97.3%            |
| SAU802189     | EBC104273       | 32%      | 97.7%          | 98.2%            |
| SAU802189     | EFM201273       | 59%      | 98.9%          | 99.1%            |
| SAU802189     | KPN304023       | 38%      | 97.4%          | 98.0%            |
| SAU802189     | LMO102257       | 38%      | 97.9%          | 97.4%            |
| SAU802189     | SPA103555       | 32%      | 98.9%          | 98.9%            |
| SAU802189     | STY104414       | 33%      | 98.9%          | 98.9%            |
| SAU802189     | STM100091       | 32%      | 98.9%          | 98.9%            |
| SAU802189     | SAU802189       | 100%     | 100%           | 100%             |
| SAU802189     | SEP202028       | 93%      | 100%           | 100%             |
| SAU802189     | SHA102024       | 91%      | 99.6%          | 99.8%            |
| SAU802189     | SMU100441       | 82%      | 99.8%          | 98.7%            |
| SAU802189     | SPN401068       | 81%      | 99.8%          | 99.8%            |
| SAU802189     | SPY201475       | 83%      | 100%           | 100%             |
| SAU802190     | BAN109819       | 30%      | 70.4%          | 95.7%            |
| SAU802190     | BAN102068       | 32%      | 72.1%          | 95.3%            |
| SAU802190     | CAC103704       | 53%      | 98.6%          | 98.8%            |
| SAU802190     | CBO100029       | 30%      | 70.2%          | 90.9%            |
| SAU802190     | CDF101451       | 31%      | 73.3%          | 95.9%            |
| SAU802190     | EBC100969       | 35%      | 71.6%          | 95.4%            |
| SAU802190     | EFA201919       | 32%      | 74.7%          | 99.3%            |
| SAU802190     | EFM200856       | 55%      | 99.6%          | 100%             |
| SAU802190     | ECO101705       | 26%      | 75.8%          | 99.8%            |
| SAU802190     | KPN307137       | 33%      | 74.4%          | 95.5%            |
| SAU802190     | LPN103127       | 29%      | 10%            | 9.9%             |
| SAU802190     | LMO102762       | 28%      | 73.0%          | 95.7%            |
| SAU802190     | PRT105426       | 24%      | 69.1%          | 98.1%            |
| SAU802190     | SPA103123       | 26%      | 75.8%          | 99.8%            |
| SAU802190     | STY101186       | 26%      | 75.8%          | 99.8%            |
| SAU802190     | STM103427       | 26%      | 75.8%          | 99.8%            |
| SAU802190     | SAU802190       | 100%     | 100%           | 100%             |
| SAU802190     | SEP202030       | 80%      | 99.8%          | 100%             |
| SAU802190     | SHA102023       | 82%      | 98.6%          | 100%             |
| SAU802190     | SMU100447       | 76%      | 99.8%          | 100%             |
| SAU802190     | SPN401069       | 73%      | 99.6%          | 100%             |
| SAU802190     | SPY201476       | 75%      | 99.8%          | 100%             |
| SAU802190     | VCH101263       | 33%      | 73.5%          | 93.9%            |
| SAU802190     | YPS001429       | 25%      | 75.6%          | 98.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802191     | BAN110520       | 38%      | 89.3%          | 86.0%            |
| SAU802191     | BAN108150       | 38%      | 89.3%          | 86.8%            |
| SAU802191     | BAN100622       | 41%      | 82.5%          | 97.7%            |
| SAU802191     | BAN112662       | 39%      | 89.3%          | 86.0%            |
| SAU802191     | BAN106129       | 36%      | 96.1%          | 94.3%            |
| SAU802191     | CAC103163       | 54%      | 99.0%          | 98.1%            |
| SAU802191     | CBO103254       | 42%      | 87.4%          | 91.8%            |
| SAU802191     | CDF101623       | 36%      | 79.6%          | 70.1%            |
| SAU802191     | CDF101453       | 43%      | 95.1%          | 93.1%            |
| SAU802191     | EBC103915       | 33%      | 96.1%          | 94.3%            |
| SAU802191     | EFA202140       | 37%      | 87.4%          | 84.9%            |
| SAU802191     | EFM201537       | 45%      | 99.0%          | 97.1%            |
| SAU802191     | ECO101704       | 34%      | 96.1%          | 85.3%            |
| SAU802191     | KPN306848       | 43%      | 94.2%          | 91.3%            |
| SAU802191     | LMO102156       | 40%      | 86.4%          | 89%              |
| SAU802191     | PRT104730       | 32%      | 96.1%          | 86.1%            |
| SAU802191     | SPA103124       | 32%      | 96.1%          | 86.1%            |
| SAU802191     | STY101178       | 31%      | 96.1%          | 86.1%            |
| SAU802191     | STM103428       | 32%      | 96.1%          | 86.1%            |
| SAU802191     | SAU802191       | 100%     | 100%           | 100%             |
| SAU802191     | SEP202032       | 74%      | 100%           | 99.0%            |
| SAU802191     | SHA102022       | 82%      | 99.0%          | 98.1%            |
| SAU802191     | SMU100449       | 75%      | 100%           | 99.0%            |
| SAU802191     | SPN401070       | 82%      | 100%           | 98.1%            |
| SAU802191     | SPY201477       | 76%      | 100%           | 98.1%            |
| SAU802191     | VCH101264       | 34%      | 94.2%          | 87.4%            |
| SAU802191     | YPS001431       | 34%      | 87.4%          | 78.3%            |
| SAU802192     | ABA105994       | 27%      | 29.1%          | 41.8%            |
| SAU802192     | BMA106286       | 27%      | 38.3%          | 13.2%            |
| SAU802192     | EFA200527       | 64%      | 96.9%          | 95.2%            |
| SAU802192     | EFM200718       | 60%      | 98.8%          | 97.0%            |
| SAU802192     | ECO103787       | 24%      | 84.7%          | 87.7%            |
| SAU802192     | LMO100537       | 55%      | 96.9%          | 93.2%            |
| SAU802192     | PAE202357       | 26%      | 31.3%          | 27.7%            |
| SAU802192     | PAE202352       | 34%      | 18.7%          | 16.0%            |
| SAU802192     | PPU105679       | 32%      | 18.7%          | 16.3%            |
| SAU802192     | PSY104152       | 31%      | 18.7%          | 16.3%            |
| SAU802192     | SPA103925       | 25%      | 84.7%          | 87.7%            |
| SAU802192     | STY103378       | 25%      | 84.7%          | 87.7%            |
| SAU802192     | SAU802192       | 100%     | 100%           | 100%             |
| SAU802192     | SEP202034       | 90%      | 99.7%          | 100%             |
| SAU802192     | SHA102021       | 91%      | 99.7%          | 100%             |
| SAU802192     | SMU101449       | 72%      | 99.7%          | 98.8%            |
| SAU802192     | SPN401072       | 75%      | 99.7%          | 99.7%            |
| SAU802192     | SPY201309       | 70%      | 95.1%          | 95.4%            |
| SAU802192     | SPY201478       | 73%      | 98.8%          | 98.2%            |
| SAU802194     | BAN108863       | 32%      | 84.8%          | 98.6%            |
| SAU802194     | BFR11814        | 33%      | 79.5%          | 94.4%            |
| SAU802194     | BMA104191       | 30%      | 90.6%          | 96.3%            |
| SAU802194     | CJU100855       | 34%      | 74.9%          | 86.9%            |
| SAU802194     | CAC100548       | 62%      | 98.8%          | 98.3%            |
| SAU802194     | CBO103215       | 43%      | 80.1%          | 94.5%            |
| SAU802194     | CDF103094       | 39%      | 86.5%          | 99.3%            |
| SAU802194     | CDF102622       | 39%      | 84.8%          | 96.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802194     | CDP101246       | 39%      | 70.8%          | 84.7%            |
| SAU802194     | EFA200479       | 74%      | 100%           | 100%             |
| SAU802194     | ECO103984       | 38%      | 80.7%          | 92.6%            |
| SAU802194     | KPN204541       | 33%      | 86.0%          | 96.7%            |
| SAU802194     | LMO101140       | 40%      | 83.0%          | 97.3%            |
| SAU802194     | MAV102295       | 31%      | 90.1%          | 96.2%            |
| SAU802194     | MBV101530       | 33%      | 86.5%          | 93.7%            |
| SAU802194     | MLP100915       | 32%      | 90.1%          | 94.4%            |
| SAU802194     | MTU202429       | 33%      | 86.5%          | 92.0%            |
| SAU802194     | PMU101645       | 34%      | 85.4%          | 96.0%            |
| SAU802194     | PRT105715       | 26%      | 73.7%          | 78.5%            |
| SAU802194     | SAU802194       | 100%     | 100%           | 100%             |
| SAU802194     | SEP202038       | 82%      | 100%           | 100%             |
| SAU802194     | SHA102019       | 81%      | 100%           | 100%             |
| SAU802194     | SMU100454       | 80%      | 100%           | 100%             |
| SAU802194     | SPN401074       | 84%      | 100%           | 100%             |
| SAU802194     | SPY201310       | 84%      | 100%           | 100%             |
| SAU802194     | UUR100004       | 34%      | 86.5%          | 98.1%            |
| SAU802194     | YPS000070       | 34%      | 87.7%          | 99.3%            |
| SAU802195     | CAC101036       | 47%      | 99.3%          | 99.3%            |
| SAU802195     | EFA200477       | 60%      | 99.3%          | 99.3%            |
| SAU802195     | HPY100567       | 30%      | 97.2%          | 91.4%            |
| SAU802195     | KPN100143       | 29%      | 45.1%          | 87.7%            |
| SAU802195     | MGE100408       | 33%      | 95.8%          | 92.1%            |
| SAU802195     | MPN100247       | 32%      | 93.7%          | 89.5%            |
| SAU802195     | SAU802195       | 100%     | 100%           | 100%             |
| SAU802195     | SEP202039       | 78%      | 100%           | 100%             |
| SAU802195     | SHA102018       | 78%      | 100%           | 100%             |
| SAU802195     | SMU100455       | 76%      | 100%           | 100%             |
| SAU802195     | SPN401075       | 74%      | 99.3%          | 99.3%            |
| SAU802195     | SPY201481       | 73%      | 100%           | 100%             |
| SAU802199     | SAU802199       | 100%     | 100%           | 100%             |
| SAU802200     | BFR100129       | 38%      | 85.8%          | 91.7%            |
| SAU802200     | ECO200334       | 42%      | 95.0%          | 93.5%            |
| SAU802200     | KPN302330       | 40%      | 95.0%          | 94.5%            |
| SAU802200     | LPN102510       | 25%      | 80.1%          | 90.6%            |
| SAU802200     | LPN102953       | 28%      | 82.6%          | 91.8%            |
| SAU802200     | LMO101510       | 64%      | 100%           | 100%             |
| SAU802200     | SPA104129       | 40%      | 95.0%          | 94.5%            |
| SAU802200     | STY103649       | 41%      | 96.8%          | 96.9%            |
| SAU802200     | SAU802200       | 100%     | 100%           | 100%             |
| SAU802200     | SMU100871       | 51%      | 98.2%          | 99.3%            |
| SAU802200     | SPN401331       | 42%      | 90.8%          | 95%              |
| SAU802200     | YPS002514       | 56%      | 100%           | 95.3%            |
| SAU802206     | BAN105885       | 29%      | 99.1%          | 96.7%            |
| SAU802206     | BAN112573       | 36%      | 99.1%          | 92.1%            |
| SAU802206     | CAC103299       | 32%      | 99.1%          | 96.6%            |
| SAU802206     | CDP101034       | 33%      | 99.1%          | 94.3%            |
| SAU802206     | EFA200693       | 51%      | 98.3%          | 97.9%            |
| SAU802206     | EFM200265       | 53%      | 98.7%          | 98.3%            |
| SAU802206     | LMO101689       | 41%      | 99.1%          | 97.1%            |
| SAU802206     | PRT100919       | 32%      | 98.3%          | 82.7%            |
| SAU802206     | SAU802206       | 100%     | 100%           | 100%             |
| SAU802206     | SEP201253       | 81%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802206     | SHA101838       | 77%      | 100%           | 100%             |
| SAU802207     | BAN108476       | 45%      | 98.7%          | 99.6%            |
| SAU802207     | BAN112629       | 56%      | 99.3%          | 97.9%            |
| SAU802207     | BCE111852       | 29%      | 89.7%          | 93.2%            |
| SAU802207     | BFU107623       | 31%      | 96.4%          | 96.9%            |
| SAU802207     | BMA102225       | 30%      | 96.4%          | 96.9%            |
| SAU802207     | CAC100215       | 35%      | 98.0%          | 95.4%            |
| SAU802207     | EBC100415       | 48%      | 53.4%          | 97.0%            |
| SAU802207     | EFA200703       | 64%      | 98.0%          | 98.5%            |
| SAU802207     | EFM202328       | 65%      | 99.8%          | 99.8%            |
| SAU802207     | KPN304223       | 45%      | 49.6%          | 95.9%            |
| SAU802207     | LMO102636       | 56%      | 98.7%          | 97.0%            |
| SAU802207     | MAV102134       | 29%      | 97.7%          | 94.7%            |
| SAU802207     | PRT100920       | 46%      | 96.8%          | 96.6%            |
| SAU802207     | PAE204177       | 32%      | 96.9%          | 97.3%            |
| SAU802207     | PPU111700       | 32%      | 97.8%          | 98.2%            |
| SAU802207     | PPU108615       | 32%      | 97.8%          | 98.2%            |
| SAU802207     | SAU802207       | 100%     | 100%           | 100%             |
| SAU802207     | SEP201255       | 87%      | 100%           | 100%             |
| SAU802207     | SHA101837       | 84%      | 100%           | 100%             |
| SAU802207     | SMU100357       | 62%      | 99.5%          | 99.1%            |
| SAU802207     | VCH101566       | 43%      | 97.1%          | 94.9%            |
| SAU802217     | ABA100673       | 49%      | 94.6%          | 96.1%            |
| SAU802217     | BAN112009       | 71%      | 100%           | 100%             |
| SAU802217     | BAN109246       | 73%      | 100%           | 100%             |
| SAU802217     | BFR11427        | 50%      | 93.1%          | 94.5%            |
| SAU802217     | BPT102858       | 51%      | 94.6%          | 94.6%            |
| SAU802217     | BBU100337       | 54%      | 94.6%          | 90.4%            |
| SAU802217     | BCE104886       | 50%      | 94.6%          | 94.6%            |
| SAU802217     | BFU103523       | 48%      | 94.6%          | 94.6%            |
| SAU802217     | BMA104857       | 49%      | 94.6%          | 94.6%            |
| SAU802217     | CJU101395       | 48%      | 93.8%          | 95.3%            |
| SAU802217     | CPN200506       | 51%      | 93.8%          | 91.8%            |
| SAU802217     | CTR200396       | 45%      | 93.8%          | 91.7%            |
| SAU802217     | CAC102494       | 68%      | 100%           | 100%             |
| SAU802217     | CBO103462       | 70%      | 100%           | 100%             |
| SAU802217     | CDF100063       | 66%      | 100%           | 100%             |
| SAU802217     | CDP100047       | 47%      | 93.1%          | 68.4%            |
| SAU802217     | EBC102179       | 50%      | 100%           | 100%             |
| SAU802217     | EFA200812       | 72%      | 100%           | 100%             |
| SAU802217     | EFM201820       | 73%      | 100%           | 100%             |
| SAU802217     | ECO103160       | 50%      | 100%           | 100%             |
| SAU802217     | HIN101411       | 49%      | 100%           | 100%             |
| SAU802217     | HPY100081       | 45%      | 93.8%          | 95.3%            |
| SAU802217     | KPN302005       | 50%      | 100%           | 100%             |
| SAU802217     | LPN102542       | 46%      | 96.9%          | 96.5%            |
| SAU802217     | LMO100441       | 73%      | 100%           | 100%             |
| SAU802217     | MCA100086       | 52%      | 94.6%          | 96.1%            |
| SAU802217     | MAV103416       | 50%      | 93.1%          | 72.9%            |
| SAU802217     | MBV101153       | 49%      | 93.1%          | 80.1%            |
| SAU802217     | MLP100233       | 52%      | 93.1%          | 79.1%            |
| SAU802217     | MTU203395       | 49%      | 93.1%          | 80.1%            |
| SAU802217     | MGE100427       | 50%      | 100%           | 100%             |
| SAU802217     | MPN100226       | 56%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802217     | NGO102668       | 54%      | 96.2%          | 96.2%            |
| SAU802217     | NME200353       | 54%      | 96.2%          | 96.2%            |
| SAU802217     | PMU100521       | 52%      | 100%           | 100%             |
| SAU802217     | PRT100490       | 51%      | 100%           | 100%             |
| SAU802217     | PAE204430       | 50%      | 100%           | 100%             |
| SAU802217     | PPU105982       | 51%      | 100%           | 100%             |
| SAU802217     | PSY108021       | 50%      | 100%           | 100%             |
| SAU802217     | SPA100957       | 50%      | 100%           | 100%             |
| SAU802217     | STY101559       | 50%      | 100%           | 100%             |
| SAU802217     | SAU802217       | 100%     | 100%           | 100%             |
| SAU802217     | SEP202046       | 96%      | 100%           | 100%             |
| SAU802217     | SHA100041       | 98%      | 100%           | 100%             |
| SAU802217     | SMU101370       | 71%      | 100%           | 100%             |
| SAU802217     | SPN400272       | 70%      | 100%           | 100%             |
| SAU802217     | SPY201485       | 71%      | 100%           | 100%             |
| SAU802217     | TPA101014       | 55%      | 94.6%          | 95.3%            |
| SAU802217     | UUR100583       | 55%      | 97.7%          | 95.5%            |
| SAU802217     | VCH100561       | 50%      | 100%           | 100%             |
| SAU802217     | YPS002276       | 52%      | 100%           | 100%             |
| SAU802218     | ABA100676       | 53%      | 94.5%          | 96.5%            |
| SAU802218     | BAN101291       | 69%      | 100%           | 100%             |
| SAU802218     | BAN111521       | 69%      | 100%           | 100%             |
| SAU802218     | BFR11426        | 44%      | 97.2%          | 93.5%            |
| SAU802218     | BPT102861       | 52%      | 96.6%          | 98.6%            |
| SAU802218     | BBU100338       | 48%      | 93.1%          | 92.5%            |
| SAU802218     | BCE107311       | 54%      | 97.2%          | 80.1%            |
| SAU802218     | BFU103522       | 55%      | 97.2%          | 99.3%            |
| SAU802218     | BMA107182       | 55%      | 97.2%          | 78.8%            |
| SAU802218     | CJU101396       | 53%      | 91.7%          | 95.0%            |
| SAU802218     | CPN200505       | 48%      | 93.8%          | 91.9%            |
| SAU802218     | CTR200395       | 50%      | 89.0%          | 86.7%            |
| SAU802218     | CAC102148       | 48%      | 97.9%          | 98.6%            |
| SAU802218     | CBO103121       | 52%      | 99.3%          | 99.3%            |
| SAU802218     | CDF100062       | 46%      | 94.5%          | 95.8%            |
| SAU802218     | CDP100045       | 49%      | 97.2%          | 95.9%            |
| SAU802218     | EBC102180       | 58%      | 94.5%          | 96.5%            |
| SAU802218     | EFA200811       | 69%      | 95.2%          | 94.5%            |
| SAU802218     | EFM201491       | 69%      | 95.9%          | 79.0%            |
| SAU802218     | ECO103161       | 58%      | 94.5%          | 96.5%            |
| SAU802218     | HIN101412       | 56%      | 94.5%          | 96.5%            |
| SAU802218     | HPY100082       | 47%      | 91.7%          | 94.3%            |
| SAU802218     | KPN301994       | 56%      | 94.5%          | 96.5%            |
| SAU802218     | LPN102178       | 51%      | 97.2%          | 97.9%            |
| SAU802218     | LMO100177       | 70%      | 100%           | 100%             |
| SAU802218     | MCA103453       | 53%      | 98.6%          | 100%             |
| SAU802218     | MAV103415       | 48%      | 97.2%          | 95.9%            |
| SAU802218     | MBV101152       | 50%      | 97.2%          | 72.3%            |
| SAU802218     | MLP100232       | 46%      | 97.2%          | 95.9%            |
| SAU802218     | MTU203396       | 50%      | 97.2%          | 95.9%            |
| SAU802218     | MGE100428       | 38%      | 95.2%          | 95.9%            |
| SAU802218     | MPN100225       | 40%      | 95.2%          | 95.9%            |
| SAU802218     | NGO101071       | 55%      | 97.9%          | 99.3%            |
| SAU802218     | NME200352       | 55%      | 97.9%          | 99.3%            |
| SAU802218     | PMU100520       | 56%      | 94.5%          | 96.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802218     | PRT100489       | 59%      | 94.5%          | 96.5%            |
| SAU802218     | PAE204431       | 55%      | 97.2%          | 99.3%            |
| SAU802218     | PPU105984       | 54%      | 97.2%          | 99.3%            |
| SAU802218     | PSY103838       | 58%      | 93.8%          | 95.8%            |
| SAU802218     | SPA100958       | 58%      | 94.5%          | 96.5%            |
| SAU802218     | STY101563       | 58%      | 94.5%          | 96.5%            |
| SAU802218     | SAU802218       | 100%     | 100%           | 100%             |
| SAU802218     | SEP202048       | 93%      | 100%           | 100%             |
| SAU802218     | SHA100040       | 89%      | 77.2%          | 100%             |
| SAU802218     | SMU101369       | 59%      | 99.3%          | 97.3%            |
| SAU802218     | SPN400271       | 64%      | 99.3%          | 97.3%            |
| SAU802218     | SPY201486       | 64%      | 99.3%          | 97.3%            |
| SAU802218     | TPA101015       | 46%      | 93.8%          | 95.8%            |
| SAU802218     | UUR100584       | 48%      | 90.3%          | 88.5%            |
| SAU802218     | VCH100560       | 57%      | 94.5%          | 96.5%            |
| SAU802218     | YPS002279       | 56%      | 94.5%          | 96.5%            |
| SAU802221     | BAN100298       | 34%      | 90.2%          | 97.1%            |
| SAU802221     | BAN111331       | 41%      | 95.5%          | 93.2%            |
| SAU802221     | CAC101129       | 31%      | 85.0%          | 99.2%            |
| SAU802221     | CAC103558       | 35%      | 87.8%          | 87.1%            |
| SAU802221     | CAC102762       | 38%      | 95.8%          | 95.5%            |
| SAU802221     | CBO103078       | 39%      | 99.7%          | 98.6%            |
| SAU802221     | CDF103575       | 38%      | 97.9%          | 97.2%            |
| SAU802221     | EFA201971       | 46%      | 90.6%          | 92.0%            |
| SAU802221     | EFM200592       | 43%      | 90.9%          | 90.0%            |
| SAU802221     | LMO100639       | 43%      | 94.8%          | 94.1%            |
| SAU802221     | MGE100183       | 39%      | 87.4%          | 82.2%            |
| SAU802221     | MPN100637       | 39%      | 87.4%          | 82.5%            |
| SAU802221     | SAU802221       | 100%     | 100%           | 100%             |
| SAU802221     | SEP202054       | 63%      | 100%           | 100%             |
| SAU802221     | SHA102409       | 44%      | 19.9%          | 92.1%            |
| SAU802221     | SHA103167       | 63%      | 14.3%          | 100%             |
| SAU802221     | SHA100340       | 65%      | 100%           | 100%             |
| SAU802221     | SMU101386       | 44%      | 97.9%          | 99.3%            |
| SAU802221     | SPN402022       | 44%      | 87.4%          | 89.2%            |
| SAU802221     | SPY201677       | 45%      | 88.5%          | 90%              |
| SAU802221     | UUR100544       | 43%      | 2.8%           | 30.0%            |
| SAU802222     | BAN102912       | 37%      | 92.6%          | 90.1%            |
| SAU802222     | BAN100224       | 50%      | 96.3%          | 88.3%            |
| SAU802222     | CAC103684       | 42%      | 89.2%          | 87.2%            |
| SAU802222     | CBO102095       | 42%      | 98.5%          | 97.2%            |
| SAU802222     | CDF103552       | 42%      | 92.6%          | 91.0%            |
| SAU802222     | EFA201972       | 52%      | 97.8%          | 96.4%            |
| SAU802222     | EFM200542       | 50%      | 97.8%          | 96.4%            |
| SAU802222     | KPN102440       | 34%      | 89.2%          | 90.2%            |
| SAU802222     | LMO101349       | 50%      | 98.1%          | 96.4%            |
| SAU802222     | MGE100182       | 43%      | 98.9%          | 96.0%            |
| SAU802222     | MPN100638       | 42%      | 99.3%          | 96.4%            |
| SAU802222     | SPA101594       | 32%      | 89.2%          | 88.6%            |
| SAU802222     | SAU802222       | 100%     | 100%           | 100%             |
| SAU802222     | SEP202056       | 63%      | 100%           | 100%             |
| SAU802222     | SHA101370       | 64%      | 69.9%          | 100%             |
| SAU802222     | SMU101388       | 47%      | 92.9%          | 86.6%            |
| SAU802222     | SPN402023       | 47%      | 98.1%          | 97.8%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802222     | SPY201678       | 44%      | 100%           | 92.9%            |
| SAU802222     | UUR100545       | 47%      | 94.1%          | 85.7%            |
| SAU802223     | ABA100130       | 47%      | 96.7%          | 86.4%            |
| SAU802223     | BAN103288       | 73%      | 100%           | 100%             |
| SAU802223     | BAN102478       | 73%      | 100%           | 100%             |
| SAU802223     | BFR100896       | 43%      | 98.4%          | 68.3%            |
| SAU802223     | BPT100897       | 50%      | 99.2%          | 84.7%            |
| SAU802223     | BBU100502       | 36%      | 100%           | 91.1%            |
| SAU802223     | BCE109774       | 47%      | 99.2%          | 84.7%            |
| SAU802223     | BFU101597       | 48%      | 99.2%          | 85.4%            |
| SAU802223     | BMA104335       | 48%      | 99.2%          | 84.7%            |
| SAU802223     | CJU101502       | 45%      | 99.2%          | 94.9%            |
| SAU802223     | CPN200120       | 41%      | 96.7%          | 93.0%            |
| SAU802223     | CTR200782       | 40%      | 96.7%          | 93.0%            |
| SAU802223     | CAC100809       | 57%      | 99.2%          | 97.4%            |
| SAU802223     | CBO102497       | 59%      | 99.2%          | 98.2%            |
| SAU802223     | CDF102169       | 50%      | 98.4%          | 97.3%            |
| SAU802223     | CDP100024       | 44%      | 96.7%          | 68.8%            |
| SAU802223     | EBC103646       | 47%      | 97.5%          | 85.8%            |
| SAU802223     | EFA201974       | 65%      | 100%           | 99.2%            |
| SAU802223     | EFM201685       | 69%      | 100%           | 100%             |
| SAU802223     | ECO103217       | 47%      | 97.5%          | 85.8%            |
| SAU802223     | HIN100784       | 48%      | 97.5%          | 85.2%            |
| SAU802223     | HPY101274       | 46%      | 99.2%          | 95.7%            |
| SAU802223     | KPN300813       | 47%      | 97.5%          | 85.2%            |
| SAU802223     | LMO100340       | 66%      | 100%           | 100%             |
| SAU802223     | MCA100427       | 45%      | 96.7%          | 90.8%            |
| SAU802223     | MAV101006       | 44%      | 96.7%          | 74.0%            |
| SAU802223     | MBV100492       | 44%      | 96.7%          | 60%              |
| SAU802223     | MLP101193       | 42%      | 96.7%          | 63.5%            |
| SAU802223     | MTU203409       | 44%      | 96.7%          | 60%              |
| SAU802223     | MGE100181       | 35%      | 96.7%          | 92.7%            |
| SAU802223     | MPN100639       | 36%      | 95.9%          | 91.1%            |
| SAU802223     | NGO100883       | 50%      | 99.2%          | 91.0%            |
| SAU802223     | NME200096       | 49%      | 99.2%          | 91.0%            |
| SAU802223     | PMU101389       | 47%      | 97.5%          | 84.5%            |
| SAU802223     | PRT101773       | 46%      | 97.5%          | 85.2%            |
| SAU802223     | PAE204235       | 45%      | 97.5%          | 84.5%            |
| SAU802223     | PPU104535       | 47%      | 97.5%          | 85.2%            |
| SAU802223     | PSY105785       | 47%      | 97.5%          | 85.2%            |
| SAU802223     | SPA104312       | 47%      | 97.5%          | 85.8%            |
| SAU802223     | STY101829       | 47%      | 97.5%          | 85.8%            |
| SAU802223     | SAU802223       | 100%     | 100%           | 100%             |
| SAU802223     | SEP202058       | 95%      | 100%           | 100%             |
| SAU802223     | SHA100503       | 98%      | 100%           | 99.2%            |
| SAU802223     | SMU100584       | 65%      | 100%           | 100%             |
| SAU802223     | SPN400216       | 67%      | 100%           | 100%             |
| SAU802223     | SPY101855       | 67%      | 100%           | 100%             |
| SAU802223     | TPA100211       | 41%      | 99.2%          | 67.7%            |
| SAU802223     | UUR100260       | 41%      | 96.7%          | 95.8%            |
| SAU802223     | VCH102533       | 47%      | 97.5%          | 85.2%            |
| SAU802223     | YPS002494       | 47%      | 97.5%          | 84.5%            |
| SAU802224     | ABA100129       | 41%      | 93.3%          | 87.8%            |
| SAU802224     | BAN107601       | 56%      | 99.7%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802224     | BAN108468       | 78%      | 100%           | 100%             |
| SAU802224     | BFR10426        | 41%      | 98.1%          | 95.2%            |
| SAU802224     | BPT100896       | 41%      | 97.1%          | 93.3%            |
| SAU802224     | BBU100501       | 40%      | 97.8%          | 91.9%            |
| SAU802224     | BCE103299       | 40%      | 97.1%          | 93.8%            |
| SAU802224     | BFU101596       | 40%      | 97.1%          | 93.8%            |
| SAU802224     | BMA100053       | 41%      | 97.1%          | 93.8%            |
| SAU802224     | CJU101501       | 34%      | 94.6%          | 87.5%            |
| SAU802224     | CPN200119       | 39%      | 93.0%          | 79.8%            |
| SAU802224     | CTR200783       | 37%      | 93.0%          | 79.2%            |
| SAU802224     | CAC100456       | 62%      | 100%           | 99.7%            |
| SAU802224     | CBO100600       | 63%      | 100%           | 99.7%            |
| SAU802224     | CDF104551       | 63%      | 100%           | 99.1%            |
| SAU802224     | CDP100022       | 47%      | 93.9%          | 87.0%            |
| SAU802224     | EBC103650       | 42%      | 98.1%          | 93.6%            |
| SAU802224     | EFA201975       | 71%      | 100%           | 100%             |
| SAU802224     | EFM200465       | 70%      | 100%           | 100%             |
| SAU802224     | ECO103218       | 42%      | 98.1%          | 93.6%            |
| SAU802224     | HIN100783       | 42%      | 98.1%          | 93.6%            |
| SAU802224     | HPY101275       | 35%      | 91.1%          | 84.6%            |
| SAU802224     | KPN300703       | 44%      | 76.4%          | 95.7%            |
| SAU802224     | LMO100649       | 75%      | 100%           | 100%             |
| SAU802224     | MCA100426       | 45%      | 93.3%          | 88.0%            |
| SAU802224     | MAV101008       | 50%      | 92.4%          | 83.6%            |
| SAU802224     | MBV100494       | 48%      | 92.4%          | 83.6%            |
| SAU802224     | MLP101194       | 48%      | 92.4%          | 83.6%            |
| SAU802224     | MTU203410       | 48%      | 92.4%          | 83.6%            |
| SAU802224     | MGE100180       | 37%      | 93.0%          | 93.0%            |
| SAU802224     | MPN100640       | 34%      | 96.8%          | 96.9%            |
| SAU802224     | NGO100885       | 39%      | 98.1%          | 93.6%            |
| SAU802224     | NME200097       | 39%      | 98.1%          | 93.6%            |
| SAU802224     | PMU101390       | 42%      | 98.1%          | 93.6%            |
| SAU802224     | PRT101775       | 42%      | 98.1%          | 93.6%            |
| SAU802224     | PAE204236       | 42%      | 98.1%          | 92.2%            |
| SAU802224     | PPU104534       | 42%      | 98.1%          | 92.2%            |
| SAU802224     | PSY100281       | 40%      | 46.2%          | 86.6%            |
| SAU802224     | SPA104314       | 42%      | 98.1%          | 93.6%            |
| SAU802224     | STY101828       | 42%      | 98.1%          | 93.6%            |
| SAU802224     | SAU802224       | 100%     | 100%           | 100%             |
| SAU802224     | SEP202059       | 98%      | 100%           | 100%             |
| SAU802224     | SHA100502       | 98%      | 100%           | 100%             |
| SAU802224     | SMU100586       | 57%      | 99.7%          | 99.7%            |
| SAU802224     | SPN400215       | 58%      | 99.0%          | 99.4%            |
| SAU802224     | SPY200063       | 57%      | 99.7%          | 99.7%            |
| SAU802224     | TPA100210       | 36%      | 98.7%          | 91.5%            |
| SAU802224     | UUR100259       | 40%      | 95.2%          | 95.4%            |
| SAU802224     | VCH102534       | 42%      | 98.1%          | 93.6%            |
| SAU802224     | YPS002493       | 42%      | 98.1%          | 93.6%            |
| SAU802225     | ABA100127       | 60%      | 97.7%          | 98.4%            |
| SAU802225     | BAN102381       | 81%      | 100%           | 100%             |
| SAU802225     | BAN110714       | 86%      | 100%           | 100%             |
| SAU802225     | BFR10424        | 58%      | 100%           | 100%             |
| SAU802225     | BPT100894       | 64%      | 93.8%          | 91.0%            |
| SAU802225     | BBU100500       | 55%      | 99.2%          | 95.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802225     | BCE109619       | 63%      | 93.8%          | 91.0%            |
| SAU802225     | BFU101594       | 65%      | 93.8%          | 90.3%            |
| SAU802225     | BMA109746       | 64%      | 93.8%          | 91.0%            |
| SAU802225     | CJU101499       | 59%      | 100%           | 100%             |
| SAU802225     | CPN200118       | 62%      | 99.2%          | 96.2%            |
| SAU802225     | CTR200784       | 64%      | 93.8%          | 91.7%            |
| SAU802225     | CAC100574       | 77%      | 98.4%          | 96.9%            |
| SAU802225     | CBO101814       | 76%      | 95.3%          | 93.2%            |
| SAU802225     | CDF101597       | 75%      | 98.4%          | 97.0%            |
| SAU802225     | CDP100018       | 67%      | 95.3%          | 91.8%            |
| SAU802225     | EBC103656       | 62%      | 100%           | 100%             |
| SAU802225     | EFA201976       | 85%      | 100%           | 100%             |
| SAU802225     | EFM200112       | 83%      | 100%           | 100%             |
| SAU802225     | ECO103220       | 62%      | 100%           | 100%             |
| SAU802225     | HIN100781       | 63%      | 100%           | 100%             |
| SAU802225     | HPY101277       | 60%      | 100%           | 100%             |
| SAU802225     | KPN300701       | 62%      | 100%           | 100%             |
| SAU802225     | LMO102707       | 84%      | 100%           | 100%             |
| SAU802225     | MCA100424       | 60%      | 100%           | 100%             |
| SAU802225     | MAV101012       | 66%      | 98.4%          | 92.0%            |
| SAU802225     | MBV100327       | 66%      | 99.2%          | 92.1%            |
| SAU802225     | MLP101196       | 66%      | 98.4%          | 92.0%            |
| SAU802225     | MTU203412       | 67%      | 99.2%          | 92.1%            |
| SAU802225     | MGE100179       | 41%      | 87.6%          | 86.3%            |
| SAU802225     | MPN100641       | 47%      | 92.2%          | 98.3%            |
| SAU802225     | NGO100889       | 60%      | 93.8%          | 92.4%            |
| SAU802225     | NME200099       | 60%      | 93.8%          | 92.4%            |
| SAU802225     | PMU101392       | 64%      | 100%           | 100%             |
| SAU802225     | PRT105644       | 62%      | 100%           | 100%             |
| SAU802225     | PAE204238       | 61%      | 100%           | 100%             |
| SAU802225     | PPU104532       | 62%      | 100%           | 100%             |
| SAU802225     | PSY106472       | 61%      | 100%           | 100%             |
| SAU802225     | SPA104318       | 60%      | 99.2%          | 100%             |
| SAU802225     | STY101826       | 62%      | 100%           | 100%             |
| SAU802225     | SAU802225       | 100%     | 100%           | 100%             |
| SAU802225     | SEP200240       | 99%      | 100%           | 100%             |
| SAU802225     | SHA100501       | 100%     | 100%           | 100%             |
| SAU802225     | SMU100588       | 84%      | 95.3%          | 96.9%            |
| SAU802225     | SPN400214       | 84%      | 95.3%          | 96.9%            |
| SAU802225     | SPY200062       | 85%      | 95.3%          | 96.9%            |
| SAU802225     | TPA100209       | 61%      | 96.1%          | 98.4%            |
| SAU802225     | UUR100258       | 56%      | 92.2%          | 98.3%            |
| SAU802225     | VCH102536       | 62%      | 100%           | 100%             |
| SAU802225     | YPS002491       | 62%      | 100%           | 100%             |
| SAU802226     | ABA100126       | 57%      | 95.9%          | 97.5%            |
| SAU802226     | BAN113421       | 85%      | 33.9%          | 100%             |
| SAU802226     | BAN112977       | 78%      | 100%           | 100%             |
| SAU802226     | BFR10423        | 66%      | 98.3%          | 95.2%            |
| SAU802226     | BPT100893       | 58%      | 100%           | 100%             |
| SAU802226     | BBU100499       | 55%      | 99.2%          | 96.8%            |
| SAU802226     | BCE106205       | 54%      | 100%           | 100%             |
| SAU802226     | BFU100384       | 55%      | 100%           | 100%             |
| SAU802226     | BMA110016       | 54%      | 100%           | 100%             |
| SAU802226     | CJU101498       | 59%      | 98.3%          | 99.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802226     | CPN200117       | 54%      | 100%           | 100%             |
| SAU802226     | CTR200785       | 53%      | 100%           | 100%             |
| SAU802226     | CAC101837       | 66%      | 100%           | 99.2%            |
| SAU802226     | CBO102219       | 67%      | 100%           | 99.2%            |
| SAU802226     | CDF103596       | 65%      | 100%           | 99.2%            |
| SAU802226     | CDP100016       | 59%      | 100%           | 100%             |
| SAU802226     | EBC103659       | 53%      | 95.9%          | 98.3%            |
| SAU802226     | EFA201977       | 75%      | 100%           | 100%             |
| SAU802226     | EFM200415       | 75%      | 100%           | 100%             |
| SAU802226     | ECO103221       | 53%      | 95.9%          | 98.3%            |
| SAU802226     | HIN100780       | 51%      | 99.2%          | 98.4%            |
| SAU802226     | HPY101278       | 58%      | 98.3%          | 100%             |
| SAU802226     | KPN300700       | 51%      | 81.8%          | 98.0%            |
| SAU802226     | LMO102428       | 78%      | 100%           | 100%             |
| SAU802226     | MCA100423       | 58%      | 95.9%          | 98.3%            |
| SAU802226     | MAV101014       | 57%      | 100%           | 98.4%            |
| SAU802226     | MBV100329       | 54%      | 100%           | 98.4%            |
| SAU802226     | MLP101197       | 59%      | 100%           | 98.4%            |
| SAU802226     | MTU203413       | 54%      | 100%           | 98.4%            |
| SAU802226     | MGE100178       | 65%      | 99.2%          | 96.8%            |
| SAU802226     | MPN100642       | 65%      | 99.2%          | 96.8%            |
| SAU802226     | NGO100891       | 58%      | 99.2%          | 100%             |
| SAU802226     | NME200100       | 58%      | 99.2%          | 100%             |
| SAU802226     | PMU101393       | 55%      | 95.9%          | 98.3%            |
| SAU802226     | PRT100020       | 52%      | 88.4%          | 98.2%            |
| SAU802226     | PAE204239       | 60%      | 95.9%          | 98.3%            |
| SAU802226     | PPU104531       | 59%      | 95.9%          | 98.3%            |
| SAU802226     | PSY105783       | 60%      | 60.3%          | 96.1%            |
| SAU802226     | SPA104321       | 52%      | 95.9%          | 98.3%            |
| SAU802226     | STY101825       | 52%      | 95.9%          | 98.3%            |
| SAU802226     | SAU802226       | 100%     | 100%           | 100%             |
| SAU802226     | SEP200241       | 95%      | 100%           | 100%             |
| SAU802226     | SHA100500       | 95%      | 100%           | 100%             |
| SAU802226     | SMU100590       | 74%      | 100%           | 100%             |
| SAU802226     | SPN400213       | 73%      | 100%           | 100%             |
| SAU802226     | SPY200061       | 73%      | 100%           | 100%             |
| SAU802226     | TPA100208       | 61%      | 100%           | 100%             |
| SAU802226     | UUR100257       | 65%      | 99.2%          | 97.0%            |
| SAU802226     | VCH102537       | 53%      | 95.9%          | 98.3%            |
| SAU802226     | YPS002490       | 54%      | 95.9%          | 98.3%            |
| SAU802227     | ABA100104       | 63%      | 100%           | 100%             |
| SAU802227     | BPT104512       | 70%      | 100%           | 100%             |
| SAU802227     | BBU100498       | 80%      | 97.3%          | 92.3%            |
| SAU802227     | BCE112105       | 68%      | 100%           | 100%             |
| SAU802227     | BFU103878       | 68%      | 100%           | 100%             |
| SAU802227     | BMA103855       | 68%      | 100%           | 100%             |
| SAU802227     | CJU101497       | 78%      | 100%           | 100%             |
| SAU802227     | CAC101480       | 97%      | 100%           | 100%             |
| SAU802227     | CBO103541       | 94%      | 100%           | 97.4%            |
| SAU802227     | CDF103770       | 97%      | 100%           | 100%             |
| SAU802227     | EBC103975       | 52%      | 64.9%          | 54.3%            |
| SAU802227     | EFA203137       | 84%      | 100%           | 100%             |
| SAU802227     | EFM202440       | 84%      | 100%           | 100%             |
| SAU802227     | ECO103222       | 63%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802227     | HIN100779       | 64%      | 100%           | 100%             |
| SAU802227     | HPY101279       | 70%      | 100%           | 100%             |
| SAU802227     | KPN202806       | 52%      | 64.9%          | 54.3%            |
| SAU802227     | LMO101459       | 91%      | 100%           | 100%             |
| SAU802227     | MCA102164       | 42%      | 86.5%          | 71.7%            |
| SAU802227     | MBV104764       | 72%      | 100%           | 100%             |
| SAU802227     | MLP101198       | 70%      | 100%           | 100%             |
| SAU802227     | MTU203414       | 72%      | 100%           | 100%             |
| SAU802227     | MGE100177       | 67%      | 100%           | 100%             |
| SAU802227     | MPN100643       | 70%      | 100%           | 100%             |
| SAU802227     | NGO101308       | 42%      | 97.3%          | 97.6%            |
| SAU802227     | NME200101       | 59%      | 100%           | 100%             |
| SAU802227     | PMU101394       | 64%      | 100%           | 100%             |
| SAU802227     | PRT103159       | 63%      | 100%           | 100%             |
| SAU802227     | PAE204240       | 63%      | 100%           | 100%             |
| SAU802227     | PSY103480       | 63%      | 100%           | 67.9%            |
| SAU802227     | SPA100818       | 52%      | 64.9%          | 54.3%            |
| SAU802227     | STY104823       | 63%      | 100%           | 100%             |
| SAU802227     | STM104443       | 52%      | 64.9%          | 54.3%            |
| SAU802227     | SAU802227       | 100%     | 100%           | 100%             |
| SAU802227     | SEP202480       | 97%      | 100%           | 100%             |
| SAU802227     | SHA100499       | 97%      | 100%           | 100%             |
| SAU802227     | SMU100592       | 84%      | 100%           | 100%             |
| SAU802227     | SPN400212       | 84%      | 100%           | 100%             |
| SAU802227     | SPY200060       | 84%      | 100%           | 100%             |
| SAU802227     | TPA100207       | 72%      | 100%           | 100%             |
| SAU802227     | UUR100256       | 70%      | 100%           | 100%             |
| SAU802227     | VCH102538       | 75%      | 100%           | 100%             |
| SAU802227     | YPS003891       | 65%      | 100%           | 100%             |
| SAU802228     | ABA102422       | 69%      | 94.4%          | 93.2%            |
| SAU802228     | BAN103338       | 88%      | 59.7%          | 100%             |
| SAU802228     | BFR100583       | 70%      | 100%           | 100%             |
| SAU802228     | BPT100892       | 68%      | 100%           | 100%             |
| SAU802228     | BBU100168       | 62%      | 97.2%          | 77.8%            |
| SAU802228     | BCE109557       | 66%      | 100%           | 100%             |
| SAU802228     | BFU100382       | 66%      | 100%           | 94.7%            |
| SAU802228     | BMA107769       | 65%      | 100%           | 100%             |
| SAU802228     | CJU101496       | 69%      | 100%           | 100%             |
| SAU802228     | CPN200690       | 54%      | 97.2%          | 95.9%            |
| SAU802228     | CTR200589       | 57%      | 97.2%          | 95.9%            |
| SAU802228     | CAC103209       | 77%      | 100%           | 100%             |
| SAU802228     | CBO100838       | 77%      | 100%           | 100%             |
| SAU802228     | CDF104286       | 80%      | 100%           | 100%             |
| SAU802228     | CDP100014       | 69%      | 100%           | 100%             |
| SAU802228     | EBC100928       | 72%      | 97.2%          | 97.2%            |
| SAU802228     | EFA205225       | 84%      | 100%           | 100%             |
| SAU802228     | EFM200666       | 83%      | 100%           | 100%             |
| SAU802228     | ECO100859       | 71%      | 97.2%          | 97.2%            |
| SAU802228     | HIN100527       | 71%      | 97.2%          | 83.3%            |
| SAU802228     | HPY101280       | 59%      | 100%           | 100%             |
| SAU802228     | KPN301361       | 70%      | 86.1%          | 96.9%            |
| SAU802228     | LPN102139       | 68%      | 100%           | 98.6%            |
| SAU802228     | LMO101112       | 83%      | 100%           | 100%             |
| SAU802228     | MCA100273       | 72%      | 97.2%          | 95.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802228     | MAV101015       | 69%      | 100%           | 100%             |
| SAU802228     | MBV100332       | 69%      | 100%           | 100%             |
| SAU802228     | MLP101199       | 69%      | 100%           | 100%             |
| SAU802228     | MTU203415       | 69%      | 100%           | 100%             |
| SAU802228     | MGE100176       | 48%      | 94.4%          | 97.1%            |
| SAU802228     | MPN100644       | 53%      | 95.8%          | 88.5%            |
| SAU802228     | NGO100894       | 67%      | 97.2%          | 97.2%            |
| SAU802228     | NME200102       | 67%      | 97.2%          | 97.2%            |
| SAU802228     | PMU101031       | 70%      | 97.2%          | 97.2%            |
| SAU802228     | PRT101847       | 72%      | 97.2%          | 97.2%            |
| SAU802228     | PAE202617       | 71%      | 97.2%          | 97.2%            |
| SAU802228     | PPU110129       | 71%      | 97.2%          | 97.2%            |
| SAU802228     | PSY108380       | 71%      | 97.2%          | 97.2%            |
| SAU802228     | SPA101389       | 71%      | 97.2%          | 97.2%            |
| SAU802228     | STY102886       | 71%      | 97.2%          | 97.2%            |
| SAU802228     | SAU802228       | 100%     | 100%           | 100%             |
| SAU802228     | SEP200242       | 98%      | 100%           | 100%             |
| SAU802228     | SHA100498       | 98%      | 100%           | 98.6%            |
| SAU802228     | SMU100596       | 83%      | 100%           | 100%             |
| SAU802228     | SPN400211       | 81%      | 100%           | 80%              |
| SAU802228     | SPY200059       | 81%      | 100%           | 100%             |
| SAU802228     | TPA100096       | 58%      | 97.2%          | 97.2%            |
| SAU802228     | UUR100255       | 55%      | 100%           | 97.3%            |
| SAU802228     | VCH101709       | 75%      | 97.2%          | 97.2%            |
| SAU802228     | YPS003792       | 72%      | 97.2%          | 97.2%            |
| SAU802229     | ABA102578       | 49%      | 99.1%          | 99.5%            |
| SAU802229     | BAN108855       | 54%      | 98.6%          | 97.7%            |
| SAU802229     | BAN106781       | 64%      | 98.6%          | 97.7%            |
| SAU802229     | BFR10586        | 39%      | 100%           | 99.5%            |
| SAU802229     | BPT101280       | 48%      | 86.5%          | 83.5%            |
| SAU802229     | BBU100416       | 43%      | 98.6%          | 98.1%            |
| SAU802229     | BCE114693       | 54%      | 86.5%          | 82.7%            |
| SAU802229     | BFU106856       | 54%      | 86.5%          | 82.4%            |
| SAU802229     | BMA102106       | 54%      | 86.5%          | 82.7%            |
| SAU802229     | CJU100600       | 28%      | 97.2%          | 94.3%            |
| SAU802229     | CPN200508       | 34%      | 95.8%          | 94.4%            |
| SAU802229     | CTR200398       | 34%      | 97.7%          | 86.2%            |
| SAU802229     | CAC102891       | 53%      | 100%           | 100%             |
| SAU802229     | CBO103787       | 53%      | 98.6%          | 98.1%            |
| SAU802229     | CDF102350       | 56%      | 98.6%          | 95.9%            |
| SAU802229     | CDP100003       | 40%      | 98.6%          | 98.9%            |
| SAU802229     | EBC103984       | 47%      | 98.6%          | 99.5%            |
| SAU802229     | EFA201978       | 64%      | 99.1%          | 99.1%            |
| SAU802229     | EFM200623       | 62%      | 99.1%          | 99.5%            |
| SAU802229     | ECO100465       | 47%      | 98.6%          | 99.5%            |
| SAU802229     | HIN100331       | 51%      | 98.6%          | 99.5%            |
| SAU802229     | HPY100611       | 29%      | 95.3%          | 92.7%            |
| SAU802229     | KPN303865       | 47%      | 98.6%          | 99.5%            |
| SAU802229     | LPN102084       | 42%      | 99.1%          | 99.5%            |
| SAU802229     | LMO102187       | 66%      | 98.6%          | 98.6%            |
| SAU802229     | MCA101231       | 47%      | 98.6%          | 98.6%            |
| SAU802229     | MAV102071       | 38%      | 94.9%          | 94.5%            |
| SAU802229     | MBV101628       | 37%      | 94.9%          | 94.5%            |
| SAU802229     | MLP101114       | 35%      | 94.9%          | 94.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802229     | MTU200730       | 37%      | 94.9%          | 94.5%            |
| SAU802229     | MGE100174       | 36%      | 89.8%          | 88.3%            |
| SAU802229     | MPN100646       | 31%      | 89.8%          | 88.8%            |
| SAU802229     | NGO100911       | 47%      | 98.6%          | 99.1%            |
| SAU802229     | NME200954       | 47%      | 98.6%          | 99.1%            |
| SAU802229     | PMU100284       | 50%      | 98.6%          | 99.5%            |
| SAU802229     | PRT104973       | 47%      | 98.6%          | 99.5%            |
| SAU802229     | PAE203684       | 47%      | 98.6%          | 99.5%            |
| SAU802229     | PPU107935       | 49%      | 98.6%          | 99.5%            |
| SAU802229     | PSY104919       | 45%      | 81.9%          | 97.8%            |
| SAU802229     | SPA100230       | 47%      | 94.9%          | 88.3%            |
| SAU802229     | STY100842       | 47%      | 98.6%          | 99.5%            |
| SAU802229     | STM100555       | 47%      | 98.6%          | 99.5%            |
| SAU802229     | SAU802229       | 100%     | 100%           | 100%             |
| SAU802229     | SEP200243       | 91%      | 100%           | 100%             |
| SAU802229     | SHA100179       | 91%      | 100%           | 99.5%            |
| SAU802229     | SMU100597       | 56%      | 100%           | 99.5%            |
| SAU802229     | SPN400210       | 56%      | 100%           | 99.5%            |
| SAU802229     | SPY200058       | 57%      | 96.7%          | 96.2%            |
| SAU802229     | TPA100588       | 44%      | 94.9%          | 94.3%            |
| SAU802229     | UUR100253       | 37%      | 98.6%          | 98.1%            |
| SAU802229     | VCH100969       | 49%      | 98.6%          | 99.5%            |
| SAU802229     | YPS001716       | 45%      | 98.6%          | 99.5%            |
| SAU802230     | ABA100105       | 40%      | 96.0%          | 91.6%            |
| SAU802230     | BAN100422       | 54%      | 54.4%          | 100%             |
| SAU802230     | BAN100831       | 41%      | 98.8%          | 98.6%            |
| SAU802230     | BAN109756       | 56%      | 99.3%          | 98.8%            |
| SAU802230     | BAN106840       | 58%      | 99.3%          | 99.3%            |
| SAU802230     | BFR12413        | 38%      | 98.8%          | 95.1%            |
| SAU802230     | BPT100873       | 39%      | 96.5%          | 93.4%            |
| SAU802230     | BBU100497       | 34%      | 98.6%          | 96.8%            |
| SAU802230     | BCE109015       | 37%      | 94.4%          | 96%              |
| SAU802230     | BFU100380       | 36%      | 96.0%          | 92.4%            |
| SAU802230     | BMA107419       | 37%      | 94.4%          | 96.0%            |
| SAU802230     | CJU101592       | 40%      | 96.3%          | 97.9%            |
| SAU802230     | CPN200116       | 36%      | 97.9%          | 95.7%            |
| SAU802230     | CTR200786       | 36%      | 98.4%          | 97.2%            |
| SAU802230     | CAC102097       | 36%      | 99.3%          | 99.3%            |
| SAU802230     | CBO103220       | 36%      | 99.3%          | 99.5%            |
| SAU802230     | CDF103985       | 38%      | 99.3%          | 99.5%            |
| SAU802230     | CDP100001       | 39%      | 97.2%          | 97.7%            |
| SAU802230     | EBC103637       | 41%      | 96.0%          | 93.2%            |
| SAU802230     | EFA201979       | 46%      | 99.3%          | 99.3%            |
| SAU802230     | EFM200235       | 48%      | 99.3%          | 99.5%            |
| SAU802230     | ECO103223       | 41%      | 96.0%          | 93.2%            |
| SAU802230     | HIN100778       | 38%      | 96.7%          | 95.9%            |
| SAU802230     | HPY101282       | 38%      | 96.3%          | 97.9%            |
| SAU802230     | KPN300616       | 40%      | 78.4%          | 95.2%            |
| SAU802230     | LPN101432       | 38%      | 84.2%          | 98.1%            |
| SAU802230     | LMO101544       | 54%      | 99.3%          | 99.5%            |
| SAU802230     | MCA100141       | 37%      | 95.8%          | 92.7%            |
| SAU802230     | MAV102070       | 39%      | 99.3%          | 96.9%            |
| SAU802230     | MBV101627       | 39%      | 99.3%          | 99.5%            |
| SAU802230     | MLP101115       | 38%      | 99.3%          | 99.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802230     | MTU200729       | 39%      | 99.3%          | 99.5%            |
| SAU802230     | MGE100173       | 35%      | 98.4%          | 90.1%            |
| SAU802230     | MPN100647       | 35%      | 98.4%          | 89.7%            |
| SAU802230     | NGO100896       | 38%      | 95.8%          | 93.3%            |
| SAU802230     | NME200103       | 38%      | 95.8%          | 93.3%            |
| SAU802230     | PMU101395       | 39%      | 97.2%          | 96.4%            |
| SAU802230     | PRT100105       | 39%      | 47.0%          | 95.3%            |
| SAU802230     | PAE204241       | 38%      | 96.0%          | 92.5%            |
| SAU802230     | PPU112340       | 37%      | 97.0%          | 95.3%            |
| SAU802230     | PSY100299       | 37%      | 97.0%          | 95.0%            |
| SAU802230     | SPA104324       | 41%      | 94.0%          | 94.4%            |
| SAU802230     | STY101824       | 40%      | 96.0%          | 93.2%            |
| SAU802230     | SAU802230       | 100%     | 100%           | 100%             |
| SAU802230     | SEP200245       | 89%      | 100%           | 100%             |
| SAU802230     | SHA100178       | 82%      | 86.0%          | 100%             |
| SAU802230     | SMU100598       | 45%      | 98.4%          | 97.7%            |
| SAU802230     | SPN400209       | 47%      | 97.9%          | 97.2%            |
| SAU802230     | SPY200057       | 46%      | 99.1%          | 98.4%            |
| SAU802230     | TPA100206       | 35%      | 98.1%          | 93.8%            |
| SAU802230     | UUR100252       | 33%      | 97.7%          | 91.7%            |
| SAU802230     | VCH102539       | 38%      | 96.0%          | 93.2%            |
| SAU802230     | YPS002488       | 40%      | 96.0%          | 93.2%            |
| SAU802231     | ABA100106       | 45%      | 98.6%          | 97.9%            |
| SAU802231     | BAN100388       | 59%      | 100%           | 100%             |
| SAU802231     | BAN101282       | 76%      | 100%           | 100%             |
| SAU802231     | BFR100671       | 50%      | 96.6%          | 96.6%            |
| SAU802231     | BPT100871       | 47%      | 97.3%          | 96.6%            |
| SAU802231     | BBU100496       | 51%      | 89.7%          | 90.3%            |
| SAU802231     | BCE108533       | 46%      | 97.3%          | 97.9%            |
| SAU802231     | BFU100391       | 47%      | 97.3%          | 97.9%            |
| SAU802231     | BMA101533       | 47%      | 97.3%          | 97.9%            |
| SAU802231     | CJU101593       | 35%      | 88.4%          | 98.5%            |
| SAU802231     | CPN200115       | 34%      | 81.5%          | 84.0%            |
| SAU802231     | CTR200787       | 41%      | 84.9%          | 87.5%            |
| SAU802231     | CAC101804       | 66%      | 100%           | 100%             |
| SAU802231     | CBO103582       | 71%      | 100%           | 100%             |
| SAU802231     | CDF100735       | 62%      | 100%           | 98%              |
| SAU802231     | CDP101730       | 50%      | 97.3%          | 94.6%            |
| SAU802231     | EBC103640       | 45%      | 98.6%          | 99.3%            |
| SAU802231     | EFA201980       | 78%      | 100%           | 100%             |
| SAU802231     | EFM201975       | 77%      | 100%           | 100%             |
| SAU802231     | ECO103224       | 46%      | 98.6%          | 99.3%            |
| SAU802231     | HIN100777       | 45%      | 98.6%          | 99.3%            |
| SAU802231     | HPY101283       | 39%      | 89.7%          | 96.3%            |
| SAU802231     | KPN300615       | 44%      | 95.2%          | 99.3%            |
| SAU802231     | LPN100259       | 40%      | 98.6%          | 99.3%            |
| SAU802231     | LMO102003       | 82%      | 100%           | 100%             |
| SAU802231     | MCA100140       | 43%      | 98.6%          | 97.9%            |
| SAU802231     | MAV102081       | 51%      | 97.3%          | 95.9%            |
| SAU802231     | MBV101609       | 47%      | 97.3%          | 95.9%            |
| SAU802231     | MLP101118       | 48%      | 97.3%          | 95.9%            |
| SAU802231     | MTU200720       | 48%      | 97.3%          | 95.9%            |
| SAU802231     | MGE100172       | 42%      | 100%           | 99.3%            |
| SAU802231     | MPN100648       | 39%      | 100%           | 98.7%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802231     | NGO100899       | 41%      | 99.3%          | 100%             |
| SAU802231     | NME200104       | 42%      | 99.3%          | 100%             |
| SAU802231     | PMU101396       | 46%      | 98.6%          | 99.3%            |
| SAU802231     | PRT103332       | 43%      | 98.6%          | 99.3%            |
| SAU802231     | PAE204242       | 42%      | 98.6%          | 99.3%            |
| SAU802231     | PPU104529       | 45%      | 98.6%          | 99.3%            |
| SAU802231     | PSY107337       | 47%      | 98.6%          | 99.3%            |
| SAU802231     | SPA104326       | 47%      | 98.6%          | 99.3%            |
| SAU802231     | STY101823       | 47%      | 98.6%          | 99.3%            |
| SAU802231     | SAU802231       | 100%     | 100%           | 100%             |
| SAU802231     | SEP200247       | 94%      | 100%           | 100%             |
| SAU802231     | SHA100093       | 82%      | 58.9%          | 100%             |
| SAU802231     | SMU100599       | 80%      | 100%           | 100%             |
| SAU802231     | SPN400208       | 83%      | 100%           | 100%             |
| SAU802231     | SPY200056       | 78%      | 100%           | 100%             |
| SAU802231     | TPA100205       | 46%      | 97.9%          | 94.1%            |
| SAU802231     | UUR100251       | 48%      | 93.2%          | 92.6%            |
| SAU802231     | VCH102540       | 48%      | 98.6%          | 99.3%            |
| SAU802231     | YPS002485       | 45%      | 98.6%          | 99.3%            |
| SAU802232     | ABA100108       | 37%      | 98.3%          | 100%             |
| SAU802232     | BAN104365       | 76%      | 94.9%          | 93.3%            |
| SAU802232     | BFR100963       | 44%      | 94.9%          | 96.6%            |
| SAU802232     | BPT104115       | 48%      | 94.9%          | 91.8%            |
| SAU802232     | BBU100495       | 32%      | 93.2%          | 54.5%            |
| SAU802232     | BFU104042       | 49%      | 89.8%          | 84.1%            |
| SAU802232     | BMA107387       | 47%      | 89.8%          | 84.1%            |
| SAU802232     | CAC103086       | 52%      | 96.6%          | 100%             |
| SAU802232     | CBO100965       | 53%      | 98.3%          | 98.3%            |
| SAU802232     | CDF102795       | 62%      | 98.3%          | 95.1%            |
| SAU802232     | CDP102962       | 49%      | 93.2%          | 90.2%            |
| SAU802232     | EBC103644       | 47%      | 98.3%          | 100%             |
| SAU802232     | EFA205229       | 62%      | 98.3%          | 98.3%            |
| SAU802232     | EFM200795       | 65%      | 98.3%          | 98.3%            |
| SAU802232     | ECO103225       | 50%      | 98.3%          | 100%             |
| SAU802232     | HIN100776       | 42%      | 98.3%          | 100%             |
| SAU802232     | KPN300492       | 45%      | 94.9%          | 100%             |
| SAU802232     | LPN102267       | 51%      | 94.9%          | 91.8%            |
| SAU802232     | LMO100063       | 75%      | 98.3%          | 98.3%            |
| SAU802232     | MCA102911       | 36%      | 98.3%          | 98.3%            |
| SAU802232     | MAV102080       | 48%      | 94.9%          | 78.9%            |
| SAU802232     | MBV101607       | 49%      | 96.6%          | 87.7%            |
| SAU802232     | MLP101119       | 49%      | 96.6%          | 80.3%            |
| SAU802232     | MTU200719       | 49%      | 96.6%          | 87.7%            |
| SAU802232     | NGO102470       | 40%      | 93.2%          | 90.2%            |
| SAU802232     | NME200105       | 41%      | 93.2%          | 90.2%            |
| SAU802232     | PMU101397       | 42%      | 98.3%          | 100%             |
| SAU802232     | PRT100559       | 49%      | 98.3%          | 96.7%            |
| SAU802232     | PAE204243       | 42%      | 96.6%          | 98.3%            |
| SAU802232     | PPU108173       | 40%      | 96.6%          | 98.3%            |
| SAU802232     | PSY107474       | 38%      | 96.6%          | 98.3%            |
| SAU802232     | SPA106249       | 47%      | 98.3%          | 100%             |
| SAU802232     | STY105107       | 47%      | 98.3%          | 100%             |
| SAU802232     | SAU802232       | 100%     | 100%           | 100%             |
| SAU802232     | SEP202555       | 94%      | 100%           | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802232     | SHA100092       | 96%      | 100%           | 100%             |
| SAU802232     | SMU102834       | 67%      | 98.3%          | 96.7%            |
| SAU802232     | SPN400207       | 68%      | 98.3%          | 96.7%            |
| SAU802232     | SPY200055       | 65%      | 98.3%          | 96.7%            |
| SAU802232     | VCH102541       | 48%      | 98.3%          | 100%             |
| SAU802232     | YPS004281       | 44%      | 98.3%          | 100%             |
| SAU802233     | ABA100109       | 53%      | 95.8%          | 96.4%            |
| SAU802233     | BAN111381       | 75%      | 98.8%          | 99.4%            |
| SAU802233     | BAN112822       | 77%      | 98.8%          | 98.8%            |
| SAU802233     | BFR10783        | 52%      | 94.0%          | 90.7%            |
| SAU802233     | BPT100869       | 48%      | 98.2%          | 95.3%            |
| SAU802233     | BBU100494       | 54%      | 92.2%          | 92.7%            |
| SAU802233     | BCE102110       | 48%      | 75.9%          | 92.6%            |
| SAU802233     | BFU100390       | 48%      | 96.4%          | 93.0%            |
| SAU802233     | BMA101481       | 49%      | 96.4%          | 94.7%            |
| SAU802233     | CJU101594       | 58%      | 84.3%          | 95.2%            |
| SAU802233     | CPN200114       | 42%      | 98.2%          | 98.8%            |
| SAU802233     | CTR200788       | 44%      | 94.6%          | 95.8%            |
| SAU802233     | CAC100146       | 64%      | 97.6%          | 98.2%            |
| SAU802233     | CBO100463       | 63%      | 97.6%          | 98.2%            |
| SAU802233     | CDF100733       | 66%      | 93.4%          | 91.7%            |
| SAU802233     | CDP101728       | 59%      | 97.6%          | 77.9%            |
| SAU802233     | EBC103648       | 55%      | 98.8%          | 98.8%            |
| SAU802233     | EFA201981       | 72%      | 93.4%          | 93.4%            |
| SAU802233     | EFM200438       | 72%      | 93.4%          | 93.4%            |
| SAU802233     | ECO103226       | 55%      | 98.8%          | 98.2%            |
| SAU802233     | HIN100775       | 55%      | 98.8%          | 98.8%            |
| SAU802233     | HPY101284       | 62%      | 86.7%          | 94.1%            |
| SAU802233     | KPN300491       | 55%      | 98.8%          | 98.2%            |
| SAU802233     | LPN100995       | 56%      | 92.8%          | 91.7%            |
| SAU802233     | LMO101368       | 78%      | 93.4%          | 92.8%            |
| SAU802233     | MCA100160       | 55%      | 95.8%          | 96.4%            |
| SAU802233     | MAV102079       | 56%      | 97.0%          | 71.6%            |
| SAU802233     | MBV101605       | 57%      | 97.0%          | 73.2%            |
| SAU802233     | MLP101120       | 58%      | 93.4%          | 71.4%            |
| SAU802233     | MTU200718       | 57%      | 97.0%          | 73.2%            |
| SAU802233     | MGE100171       | 50%      | 93.4%          | 73.5%            |
| SAU802233     | MPN100649       | 50%      | 93.4%          | 70.8%            |
| SAU802233     | NGO100919       | 49%      | 96.4%          | 93.0%            |
| SAU802233     | NME200106       | 49%      | 96.4%          | 93.0%            |
| SAU802233     | PMU101398       | 56%      | 98.8%          | 98.8%            |
| SAU802233     | PRT100558       | 54%      | 98.8%          | 98.8%            |
| SAU802233     | PAE204244       | 52%      | 98.8%          | 99.4%            |
| SAU802233     | PPU104527       | 49%      | 99.4%          | 100%             |
| SAU802233     | PSY105833       | 49%      | 98.8%          | 99.4%            |
| SAU802233     | SPA104328       | 56%      | 98.8%          | 98.2%            |
| SAU802233     | STY101822       | 55%      | 98.8%          | 98.2%            |
| SAU802233     | SAU802233       | 100%     | 100%           | 100%             |
| SAU802233     | SEP200249       | 98%      | 100%           | 100%             |
| SAU802233     | SHA100091       | 98%      | 100%           | 100%             |
| SAU802233     | SMU100600       | 67%      | 96.4%          | 97.6%            |
| SAU802233     | SPN400206       | 65%      | 96.4%          | 97.6%            |
| SAU802233     | SPY200054       | 67%      | 96.4%          | 97.6%            |
| SAU802233     | TPA100204       | 54%      | 94.6%          | 91.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802233     | UUR100250       | 53%      | 97.6%          | 80.3%            |
| SAU802233     | VCH102542       | 54%      | 98.8%          | 98.8%            |
| SAU802233     | YPS002482       | 53%      | 98.8%          | 98.2%            |
| SAU802234     | ABA100110       | 46%      | 95.8%          | 98.3%            |
| SAU802234     | BAN106991       | 70%      | 100%           | 100%             |
| SAU802234     | BFR100058       | 59%      | 74.8%          | 100%             |
| SAU802234     | BPT100868       | 42%      | 96.6%          | 100%             |
| SAU802234     | BBU100493       | 37%      | 89.9%          | 89.9%            |
| SAU802234     | BCE113907       | 44%      | 96.6%          | 100%             |
| SAU802234     | BFU100389       | 40%      | 96.6%          | 100%             |
| SAU802234     | BMA109275       | 44%      | 96.6%          | 100%             |
| SAU802234     | CJU101595       | 43%      | 93.3%          | 91.5%            |
| SAU802234     | CPN200113       | 41%      | 95.0%          | 94.3%            |
| SAU802234     | CTR200789       | 43%      | 95.0%          | 94.3%            |
| SAU802234     | CAC102283       | 60%      | 96.6%          | 99.1%            |
| SAU802234     | CBO100811       | 54%      | 100%           | 97.5%            |
| SAU802234     | CDF103929       | 58%      | 100%           | 100%             |
| SAU802234     | CDP101725       | 54%      | 91.6%          | 81.5%            |
| SAU802234     | EBC103652       | 43%      | 96.6%          | 100%             |
| SAU802234     | EFA201982       | 68%      | 100%           | 100%             |
| SAU802234     | EFM200146       | 70%      | 100%           | 100%             |
| SAU802234     | ECO103227       | 45%      | 96.6%          | 100%             |
| SAU802234     | HIN100774       | 42%      | 96.6%          | 100%             |
| SAU802234     | HPY101285       | 40%      | 93.3%          | 90.8%            |
| SAU802234     | KPN300490       | 45%      | 96.6%          | 100%             |
| SAU802234     | LPN101342       | 44%      | 89.9%          | 98.3%            |
| SAU802234     | LMO102391       | 70%      | 100%           | 100%             |
| SAU802234     | MCA100159       | 49%      | 95.8%          | 98.3%            |
| SAU802234     | MAV102077       | 50%      | 91.6%          | 81.5%            |
| SAU802234     | MBV101604       | 51%      | 91.6%          | 90.2%            |
| SAU802234     | MLP101121       | 49%      | 91.6%          | 90.9%            |
| SAU802234     | MTU200717       | 51%      | 91.6%          | 90.2%            |
| SAU802234     | MGE100170       | 37%      | 99.2%          | 100%             |
| SAU802234     | MPN100650       | 37%      | 95.0%          | 97.4%            |
| SAU802234     | NGO100921       | 45%      | 96.6%          | 100%             |
| SAU802234     | NME200107       | 45%      | 96.6%          | 100%             |
| SAU802234     | PMU101399       | 42%      | 96.6%          | 100%             |
| SAU802234     | PRT100557       | 45%      | 96.6%          | 100%             |
| SAU802234     | PAE204245       | 48%      | 95.0%          | 97.4%            |
| SAU802234     | PPU104526       | 47%      | 95.8%          | 98.3%            |
| SAU802234     | PSY105780       | 51%      | 78.2%          | 95.9%            |
| SAU802234     | SPA104494       | 41%      | 96.6%          | 100%             |
| SAU802234     | STY101821       | 45%      | 96.6%          | 100%             |
| SAU802234     | SAU802234       | 100%     | 100%           | 100%             |
| SAU802234     | SEP200251       | 88%      | 100%           | 100%             |
| SAU802234     | SHA100055       | 90%      | 100%           | 100%             |
| SAU802234     | SMU100601       | 65%      | 100%           | 100%             |
| SAU802234     | SPN400205       | 66%      | 100%           | 100%             |
| SAU802234     | SPY200053       | 67%      | 100%           | 100%             |
| SAU802234     | TPA100203       | 41%      | 95.8%          | 95%              |
| SAU802234     | UUR100249       | 45%      | 98.3%          | 95.0%            |
| SAU802234     | VCH102543       | 38%      | 96.6%          | 100%             |
| SAU802234     | YPS002455       | 43%      | 96.6%          | 100%             |
| SAU802235     | ABA100111       | 44%      | 98.3%          | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802235     | BAN102950       | 57%      | 98.3%          | 99.4%            |
| SAU802235     | BAN110172       | 62%      | 100%           | 100%             |
| SAU802235     | BFR10781        | 45%      | 98.9%          | 97.9%            |
| SAU802235     | BPT100867       | 41%      | 98.3%          | 98.9%            |
| SAU802235     | BBU100492       | 42%      | 99.4%          | 98.3%            |
| SAU802235     | BCE105068       | 42%      | 98.3%          | 98.9%            |
| SAU802235     | BFU100388       | 43%      | 98.3%          | 98.9%            |
| SAU802235     | BMA103347       | 42%      | 98.3%          | 98.9%            |
| SAU802235     | CJU101596       | 43%      | 100%           | 99.4%            |
| SAU802235     | CPN200112       | 45%      | 100%           | 97.8%            |
| SAU802235     | CTR200790       | 44%      | 100%           | 97.8%            |
| SAU802235     | CAC101071       | 56%      | 100%           | 100%             |
| SAU802235     | CBO102597       | 59%      | 100%           | 99.4%            |
| SAU802235     | CDF100753       | 57%      | 100%           | 99.4%            |
| SAU802235     | CDP101722       | 55%      | 100%           | 100%             |
| SAU802235     | EBC103655       | 44%      | 98.3%          | 98.9%            |
| SAU802235     | EFA201983       | 63%      | 100%           | 100%             |
| SAU802235     | EFM201241       | 65%      | 100%           | 100%             |
| SAU802235     | ECO103228       | 44%      | 98.3%          | 98.9%            |
| SAU802235     | HIN100773       | 46%      | 98.3%          | 98.9%            |
| SAU802235     | HPY101286       | 42%      | 100%           | 99.4%            |
| SAU802235     | KPN300489       | 59%      | 18.0%          | 91.4%            |
| SAU802235     | LPN100869       | 45%      | 98.3%          | 98.9%            |
| SAU802235     | LMO102101       | 65%      | 100%           | 100%             |
| SAU802235     | MCA100158       | 45%      | 98.3%          | 98.9%            |
| SAU802235     | MAV102075       | 50%      | 100%           | 100%             |
| SAU802235     | MBV101643       | 50%      | 100%           | 100%             |
| SAU802235     | MLP101122       | 50%      | 100%           | 100%             |
| SAU802235     | MTU200716       | 50%      | 100%           | 100%             |
| SAU802235     | MGE100169       | 45%      | 100%           | 98.4%            |
| SAU802235     | MPN100651       | 43%      | 100%           | 98.4%            |
| SAU802235     | NGO100923       | 44%      | 98.3%          | 98.9%            |
| SAU802235     | NME200108       | 43%      | 98.3%          | 98.9%            |
| SAU802235     | PMU101400       | 45%      | 98.3%          | 98.9%            |
| SAU802235     | PRT100556       | 45%      | 98.3%          | 98.9%            |
| SAU802235     | PAE204246       | 43%      | 98.3%          | 98.9%            |
| SAU802235     | PPU104525       | 47%      | 98.3%          | 98.9%            |
| SAU802235     | PSY100295       | 45%      | 98.3%          | 98.9%            |
| SAU802235     | SPA104330       | 44%      | 98.3%          | 98.9%            |
| SAU802235     | STY101820       | 44%      | 98.3%          | 98.9%            |
| SAU802235     | SAU802235       | 100%     | 100%           | 100%             |
| SAU802235     | SEP200253       | 92%      | 100%           | 100%             |
| SAU802235     | SHA100054       | 87%      | 60.1%          | 100%             |
| SAU802235     | SMU100602       | 60%      | 100%           | 100%             |
| SAU802235     | SPN400204       | 58%      | 100%           | 100%             |
| SAU802235     | SPY200052       | 61%      | 100%           | 100%             |
| SAU802235     | TPA100202       | 45%      | 99.4%          | 98.9%            |
| SAU802235     | UUR100248       | 37%      | 98.9%          | 97.3%            |
| SAU802235     | VCH102544       | 44%      | 98.3%          | 98.9%            |
| SAU802235     | YPS002454       | 44%      | 98.3%          | 98.9%            |
| SAU802236     | ABA100112       | 47%      | 99.2%          | 99.2%            |
| SAU802236     | BAN113611       | 80%      | 98.5%          | 95.6%            |
| SAU802236     | BAN101892       | 79%      | 100%           | 100%             |
| SAU802236     | BFR10780        | 52%      | 98.5%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802236     | BPT100866       | 47%      | 99.2%          | 99.2%            |
| SAU802236     | BBU100491       | 43%      | 100%           | 100%             |
| SAU802236     | BCE101537       | 49%      | 99.2%          | 99.2%            |
| SAU802236     | BFU100387       | 48%      | 99.2%          | 99.2%            |
| SAU802236     | BMA101128       | 51%      | 99.2%          | 99.2%            |
| SAU802236     | CJU101597       | 41%      | 98.5%          | 99.2%            |
| SAU802236     | CPN200111       | 41%      | 97.7%          | 97.0%            |
| SAU802236     | CTR200791       | 42%      | 97.7%          | 97.0%            |
| SAU802236     | CAC102421       | 62%      | 100%           | 100%             |
| SAU802236     | CBO102964       | 63%      | 100%           | 100%             |
| SAU802236     | CDF100752       | 68%      | 100%           | 100%             |
| SAU802236     | CDP101719       | 59%      | 100%           | 100%             |
| SAU802236     | EBC103658       | 51%      | 99.2%          | 99.2%            |
| SAU802236     | EFA201984       | 78%      | 100%           | 100%             |
| SAU802236     | EFM200970       | 76%      | 100%           | 100%             |
| SAU802236     | ECO103229       | 51%      | 99.2%          | 99.2%            |
| SAU802236     | HIN100772       | 47%      | 99.2%          | 99.2%            |
| SAU802236     | HPY101287       | 43%      | 98.5%          | 99.2%            |
| SAU802236     | KPN300573       | 50%      | 87.1%          | 98.3%            |
| SAU802236     | LPN100471       | 43%      | 99.2%          | 99.2%            |
| SAU802236     | LMO100791       | 78%      | 100%           | 100%             |
| SAU802236     | MCA100157       | 46%      | 99.2%          | 99.2%            |
| SAU802236     | MAV102073       | 56%      | 100%           | 100%             |
| SAU802236     | MBV101642       | 56%      | 100%           | 100%             |
| SAU802236     | MLP101123       | 56%      | 100%           | 100%             |
| SAU802236     | MTU200715       | 56%      | 100%           | 100%             |
| SAU802236     | MGE100168       | 45%      | 97.0%          | 92.2%            |
| SAU802236     | MPN100652       | 46%      | 97.0%          | 91.5%            |
| SAU802236     | NGO100925       | 48%      | 99.2%          | 99.2%            |
| SAU802236     | NME200109       | 48%      | 99.2%          | 99.2%            |
| SAU802236     | PMU101401       | 48%      | 99.2%          | 99.2%            |
| SAU802236     | PRT100555       | 47%      | 99.2%          | 99.2%            |
| SAU802236     | PAE204247       | 43%      | 100%           | 100%             |
| SAU802236     | PPU108197       | 44%      | 100%           | 100%             |
| SAU802236     | PSY108276       | 43%      | 100%           | 100%             |
| SAU802236     | SPA104332       | 51%      | 99.2%          | 99.2%            |
| SAU802236     | STY101809       | 51%      | 99.2%          | 99.2%            |
| SAU802236     | SAU802236       | 100%     | 100%           | 100%             |
| SAU802236     | SEP200255       | 96%      | 100%           | 100%             |
| SAU802236     | SHA101609       | 90%      | 72.7%          | 100%             |
| SAU802236     | SMU100603       | 72%      | 100%           | 100%             |
| SAU802236     | SPN400203       | 75%      | 100%           | 100%             |
| SAU802236     | SPY200051       | 78%      | 100%           | 100%             |
| SAU802236     | TPA100201       | 50%      | 100%           | 100%             |
| SAU802236     | UUR100247       | 46%      | 97.0%          | 97.7%            |
| SAU802236     | VCH102545       | 48%      | 99.2%          | 99.2%            |
| SAU802236     | YPS002453       | 51%      | 99.2%          | 99.2%            |
| SAU802237     | BAN104895       | 83%      | 100%           | 100%             |
| SAU802237     | BAN100258       | 83%      | 100%           | 100%             |
| SAU802237     | BBU100490       | 52%      | 100%           | 82.4%            |
| SAU802237     | CJU101598       | 60%      | 100%           | 100%             |
| SAU802237     | CAC102855       | 63%      | 100%           | 100%             |
| SAU802237     | CBO101206       | 59%      | 100%           | 100%             |
| SAU802237     | CDF102552       | 80%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802237     | EFA202953       | 77%      | 100%           | 100%             |
| SAU802237     | EFM201806       | 77%      | 100%           | 100%             |
| SAU802237     | HPY101288       | 65%      | 100%           | 100%             |
| SAU802237     | LMO100535       | 83%      | 100%           | 100%             |
| SAU802237     | MAV102072       | 60%      | 100%           | 100%             |
| SAU802237     | MBV101641       | 60%      | 100%           | 100%             |
| SAU802237     | MLP101124       | 59%      | 100%           | 100%             |
| SAU802237     | MTU200714       | 60%      | 100%           | 100%             |
| SAU802237     | MGE100167       | 60%      | 100%           | 100%             |
| SAU802237     | MPN100653       | 62%      | 100%           | 100%             |
| SAU802237     | SAU802237       | 100%     | 100%           | 100%             |
| SAU802237     | SEP202534       | 98%      | 100%           | 100%             |
| SAU802237     | SHA103188       | 100%     | 100%           | 100%             |
| SAU802237     | SMU102003       | 77%      | 100%           | 100%             |
| SAU802237     | SPY200050       | 75%      | 100%           | 100%             |
| SAU802237     | TPA100200       | 55%      | 100%           | 100%             |
| SAU802237     | UUR100246       | 72%      | 100%           | 100%             |
| SAU802238     | ABA100107       | 62%      | 85.5%          | 100%             |
| SAU802238     | BAN113536       | 73%      | 100%           | 100%             |
| SAU802238     | BAN110693       | 84%      | 100%           | 100%             |
| SAU802238     | BFR10778        | 52%      | 97.8%          | 94.1%            |
| SAU802238     | BPT100865       | 59%      | 99.4%          | 99.4%            |
| SAU802238     | BBU100489       | 58%      | 97.2%          | 95.6%            |
| SAU802238     | BCE101479       | 60%      | 99.4%          | 99.4%            |
| SAU802238     | BFU100385       | 61%      | 99.4%          | 99.4%            |
| SAU802238     | BMA102975       | 61%      | 99.4%          | 99.4%            |
| SAU802238     | CJU101599       | 52%      | 100%           | 98.9%            |
| SAU802238     | CPN200110       | 49%      | 100%           | 98.9%            |
| SAU802238     | CTR200792       | 50%      | 100%           | 98.9%            |
| SAU802238     | CAC100782       | 66%      | 97.8%          | 97.2%            |
| SAU802238     | CBO103765       | 66%      | 100%           | 99.4%            |
| SAU802238     | CDF100751       | 69%      | 99.4%          | 98.9%            |
| SAU802238     | CDP101582       | 58%      | 98.9%          | 94.7%            |
| SAU802238     | EBC103664       | 60%      | 100%           | 100%             |
| SAU802238     | EFA201985       | 83%      | 100%           | 100%             |
| SAU802238     | EFM200921       | 82%      | 100%           | 100%             |
| SAU802238     | ECO103231       | 60%      | 100%           | 100%             |
| SAU802238     | HIN100770       | 60%      | 100%           | 100%             |
| SAU802238     | HPY101289       | 49%      | 98.3%          | 97.2%            |
| SAU802238     | KPN300575       | 64%      | 79.3%          | 100%             |
| SAU802238     | LPN102846       | 56%      | 41.3%          | 93.7%            |
| SAU802238     | LMO101852       | 79%      | 100%           | 100%             |
| SAU802238     | MCA100155       | 55%      | 99.4%          | 100%             |
| SAU802238     | MAV102069       | 56%      | 98.9%          | 94.7%            |
| SAU802238     | MBV101640       | 57%      | 98.9%          | 94.7%            |
| SAU802238     | MLP101125       | 58%      | 98.9%          | 94.7%            |
| SAU802238     | MTU200713       | 57%      | 98.9%          | 94.7%            |
| SAU802238     | MGE100166       | 56%      | 100%           | 99.4%            |
| SAU802238     | MPN100654       | 56%      | 100%           | 99.4%            |
| SAU802238     | NGO100929       | 58%      | 99.4%          | 99.4%            |
| SAU802238     | NME200111       | 58%      | 99.4%          | 99.4%            |
| SAU802238     | PMU101403       | 60%      | 100%           | 100%             |
| SAU802238     | PRT100553       | 60%      | 100%           | 94.2%            |
| SAU802238     | PAE204249       | 60%      | 99.4%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802238     | PPU104523       | 58%      | 99.4%          | 99.4%            |
| SAU802238     | PSY100243       | 66%      | 46.4%          | 98.8%            |
| SAU802238     | SPA104334       | 60%      | 100%           | 100%             |
| SAU802238     | STY101807       | 60%      | 100%           | 100%             |
| SAU802238     | SAU802238       | 100%     | 100%           | 100%             |
| SAU802238     | SEP200260       | 96%      | 100%           | 100%             |
| SAU802238     | SHA100780       | 94%      | 100%           | 100%             |
| SAU802238     | SMU100604       | 76%      | 99.4%          | 98.9%            |
| SAU802238     | SPN400201       | 76%      | 99.4%          | 98.9%            |
| SAU802238     | SPY200049       | 76%      | 99.4%          | 98.9%            |
| SAU802238     | TPA100199       | 54%      | 98.3%          | 95.1%            |
| SAU802238     | UUR100245       | 57%      | 98.3%          | 95.7%            |
| SAU802238     | VCH102547       | 62%      | 100%           | 100%             |
| SAU802238     | YPS002451       | 59%      | 100%           | 100%             |
| SAU802239     | ABA102168       | 52%      | 84.8%          | 96.7%            |
| SAU802239     | RAN110382       | 68%      | 94.3%          | 96.1%            |
| SAU802239     | RAN104944       | 71%      | 94.3%          | 96.1%            |
| SAU802239     | BFR103505       | 55%      | 97.1%          | 97.2%            |
| SAU802239     | BPT104094       | 47%      | 92.4%          | 91.5%            |
| SAU802239     | BBU100488       | 39%      | 94.3%          | 96.0%            |
| SAU802239     | BCE110380       | 45%      | 91.4%          | 92.2%            |
| SAU802239     | BFU100383       | 41%      | 96.2%          | 97.1%            |
| SAU802239     | BMA108868       | 47%      | 91.4%          | 92.2%            |
| SAU802239     | CJU101600       | 55%      | 64.8%          | 88.3%            |
| SAU802239     | CPN200109       | 45%      | 81.9%          | 73.9%            |
| SAU802239     | CTR200793       | 47%      | 78.1%          | 70.3%            |
| SAU802239     | CAC102906       | 45%      | 94.3%          | 94.3%            |
| SAU802239     | CBO100250       | 49%      | 94.3%          | 95.2%            |
| SAU802239     | CDF103678       | 55%      | 96.2%          | 99.0%            |
| SAU802239     | CDP101580       | 54%      | 96.2%          | 100%             |
| SAU802239     | EBC103629       | 53%      | 95.2%          | 96.2%            |
| SAU802239     | EFA205255       | 65%      | 94.3%          | 96.1%            |
| SAU802239     | EFM201757       | 66%      | 94.3%          | 96.1%            |
| SAU802239     | ECO103232       | 53%      | 95.2%          | 96.2%            |
| SAU802239     | HIN100769       | 52%      | 94.3%          | 96.1%            |
| SAU802239     | HPY101290       | 58%      | 63.8%          | 91.8%            |
| SAU802239     | KPN305017       | 53%      | 95.2%          | 96.2%            |
| SAU802239     | LMO101665       | 70%      | 96.2%          | 98.1%            |
| SAU802239     | MCA100154       | 51%      | 94.3%          | 94.3%            |
| SAU802239     | MAV102067       | 49%      | 96.2%          | 100%             |
| SAU802239     | MBV101639       | 50%      | 96.2%          | 100%             |
| SAU802239     | MLP101126       | 48%      | 96.2%          | 100%             |
| SAU802239     | MTU200712       | 50%      | 96.2%          | 100%             |
| SAU802239     | MGE100165       | 34%      | 94.3%          | 97.2%            |
| SAU802239     | MPN100655       | 36%      | 94.3%          | 97.3%            |
| SAU802239     | NGO100931       | 48%      | 94.3%          | 95.3%            |
| SAU802239     | NME200112       | 49%      | 94.3%          | 95.3%            |
| SAU802239     | PMU101404       | 55%      | 94.3%          | 96.1%            |
| SAU802239     | PRT103501       | 47%      | 34.3%          | 89.7%            |
| SAU802239     | PAE204250       | 49%      | 96.2%          | 97.1%            |
| SAU802239     | PPU104522       | 47%      | 94.3%          | 95.2%            |
| SAU802239     | PSY100105       | 47%      | 94.3%          | 95.2%            |
| SAU802239     | SPA104335       | 51%      | 95.2%          | 96.2%            |
| SAU802239     | STY101806       | 53%      | 95.2%          | 96.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802239     | SAU802239       | 100%     | 100%           | 100%             |
| SAU802239     | SEP200261       | 94%      | 100%           | 100%             |
| SAU802239     | SHA101599       | 92%      | 67.6%          | 100%             |
| SAU802239     | SMU100605       | 65%      | 94.3%          | 97.0%            |
| SAU802239     | SPN400200       | 68%      | 94.3%          | 97.0%            |
| SAU802239     | SPY200048       | 63%      | 94.3%          | 97.0%            |
| SAU802239     | TPA100198       | 51%      | 92.4%          | 92.2%            |
| SAU802239     | UUR100244       | 48%      | 97.1%          | 95.5%            |
| SAU802239     | VCH102548       | 52%      | 97.1%          | 96.2%            |
| SAU802239     | YPS002450       | 53%      | 95.2%          | 96.2%            |
| SAU802240     | ABA102167       | 65%      | 91.0%          | 96.5%            |
| SAU802240     | BAN108009       | 88%      | 100%           | 100%             |
| SAU802240     | BFR100659       | 64%      | 100%           | 100%             |
| SAU802240     | BPT100864       | 63%      | 100%           | 100%             |
| SAU802240     | BBU100487       | 59%      | 100%           | 98.4%            |
| SAU802240     | BCE113728       | 68%      | 100%           | 100%             |
| SAU802240     | BFU100381       | 68%      | 100%           | 100%             |
| SAU802240     | BMA101057       | 67%      | 100%           | 100%             |
| SAU802240     | CJU101601       | 68%      | 100%           | 100%             |
| SAU802240     | CPN200108       | 63%      | 100%           | 100%             |
| SAU802240     | CTR200794       | 64%      | 100%           | 100%             |
| SAU802240     | CAC101685       | 73%      | 100%           | 100%             |
| SAU802240     | CBO100636       | 77%      | 100%           | 100%             |
| SAU802240     | CDF102312       | 81%      | 100%           | 100%             |
| SAU802240     | CDP101578       | 75%      | 100%           | 100%             |
| SAU802240     | EBC103643       | 67%      | 100%           | 100%             |
| SAU802240     | EFA201986       | 90%      | 100%           | 100%             |
| SAU802240     | EFM201996       | 91%      | 100%           | 100%             |
| SAU802240     | ECO103233       | 66%      | 100%           | 100%             |
| SAU802240     | HIN100768       | 69%      | 100%           | 100%             |
| SAU802240     | HPY101291       | 62%      | 100%           | 100%             |
| SAU802240     | KPN305016       | 69%      | 66.4%          | 98.8%            |
| SAU802240     | LMO100716       | 92%      | 100%           | 100%             |
| SAU802240     | MCA100153       | 67%      | 100%           | 100%             |
| SAU802240     | MAV102065       | 75%      | 100%           | 100%             |
| SAU802240     | MBV101638       | 75%      | 100%           | 100%             |
| SAU802240     | MLP101127       | 73%      | 92.6%          | 100%             |
| SAU802240     | MTU200711       | 75%      | 100%           | 100%             |
| SAU802240     | MGE100164       | 60%      | 100%           | 100%             |
| SAU802240     | MPN100656       | 61%      | 100%           | 100%             |
| SAU802240     | NGO100934       | 65%      | 100%           | 100%             |
| SAU802240     | NME200113       | 65%      | 100%           | 100%             |
| SAU802240     | PMU101405       | 69%      | 100%           | 100%             |
| SAU802240     | PRT103251       | 65%      | 97.5%          | 100%             |
| SAU802240     | PAE204251       | 66%      | 100%           | 100%             |
| SAU802240     | PPU108200       | 65%      | 100%           | 100%             |
| SAU802240     | PSY100106       | 65%      | 100%           | 100%             |
| SAU802240     | SPA104303       | 67%      | 100%           | 100%             |
| SAU802240     | STY101805       | 67%      | 100%           | 100%             |
| SAU802240     | SAU802240       | 100%     | 100%           | 100%             |
| SAU802240     | SEP200262       | 97%      | 100%           | 100%             |
| SAU802240     | SHA100778       | 99%      | 100%           | 85.3%            |
| SAU802240     | SMU100606       | 90%      | 100%           | 100%             |
| SAU802240     | SPN400199       | 89%      | 100%           | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802240     | SPY200047       | 88%      | 100%           | 100%             |
| SAU802240     | TPA100197       | 63%      | 100%           | 100%             |
| SAU802240     | UUR100243       | 63%      | 100%           | 100%             |
| SAU802240     | VCH102549       | 66%      | 100%           | 100%             |
| SAU802240     | YPS002449       | 68%      | 100%           | 100%             |
| SAU802241     | BAN105005       | 88%      | 100%           | 100%             |
| SAU802241     | BFR100428       | 53%      | 96.6%          | 98.8%            |
| SAU802241     | BPT104067       | 49%      | 93.1%          | 87.1%            |
| SAU802241     | BBU100486       | 51%      | 92.0%          | 95.2%            |
| SAU802241     | BCE100913       | 51%      | 93.1%          | 90%              |
| SAU802241     | BFU103897       | 61%      | 39.1%          | 75.6%            |
| SAU802241     | BMA102592       | 54%      | 93.1%          | 90%              |
| SAU802241     | CJU101602       | 45%      | 85.1%          | 89.2%            |
| SAU802241     | CPN200107       | 53%      | 89.7%          | 89.5%            |
| SAU802241     | CTR200795       | 52%      | 89.7%          | 92.8%            |
| SAU802241     | CAC101333       | 62%      | 94.3%          | 97.6%            |
| SAU802241     | CBO101908       | 57%      | 94.3%          | 97.6%            |
| SAU802241     | CDF102812       | 64%      | 93.1%          | 96.4%            |
| SAU802241     | CDP102662       | 54%      | 94.3%          | 89.1%            |
| SAU802241     | EBC103647       | 49%      | 86.2%          | 89.3%            |
| SAU802241     | EFA205257       | 80%      | 97.7%          | 89.5%            |
| SAU802241     | EFM201704       | 77%      | 96.6%          | 95.5%            |
| SAU802241     | ECO103234       | 49%      | 86.2%          | 89.3%            |
| SAU802241     | HIN100766       | 53%      | 86.2%          | 88.2%            |
| SAU802241     | HPY101292       | 46%      | 86.2%          | 87.2%            |
| SAU802241     | KPN204999       | 49%      | 86.2%          | 89.3%            |
| SAU802241     | LMO101712       | 77%      | 100%           | 100%             |
| SAU802241     | MCA101811       | 55%      | 90.8%          | 87.8%            |
| SAU802241     | MAV102052       | 55%      | 93.1%          | 69.2%            |
| SAU802241     | MBV101010       | 55%      | 93.1%          | 59.6%            |
| SAU802241     | MLP101128       | 56%      | 93.1%          | 63.8%            |
| SAU802241     | MTU200707       | 55%      | 93.1%          | 59.6%            |
| SAU802241     | MGE100163       | 50%      | 94.3%          | 97.6%            |
| SAU802241     | MPN100657       | 55%      | 94.3%          | 97.6%            |
| SAU802241     | NGO102122       | 53%      | 96.6%          | 96.6%            |
| SAU802241     | NME200114       | 53%      | 96.6%          | 96.6%            |
| SAU802241     | PMU101406       | 56%      | 86.2%          | 88.2%            |
| SAU802241     | PRT103498       | 42%      | 78.2%          | 100%             |
| SAU802241     | PAE204252       | 53%      | 89.7%          | 88.6%            |
| SAU802241     | PPU104520       | 55%      | 89.7%          | 86.7%            |
| SAU802241     | PSY107655       | 52%      | 89.7%          | 88.6%            |
| SAU802241     | SPA104305       | 36%      | 83.9%          | 86.9%            |
| SAU802241     | STY101804       | 49%      | 86.2%          | 89.3%            |
| SAU802241     | SAU802241       | 100%     | 100%           | 100%             |
| SAU802241     | SEP200263       | 96%      | 100%           | 100%             |
| SAU802241     | SHA100777       | 97%      | 100%           | 100%             |
| SAU802241     | SMU100607       | 74%      | 97.7%          | 98.8%            |
| SAU802241     | SPN400198       | 77%      | 97.7%          | 98.8%            |
| SAU802241     | SPY200046       | 74%      | 97.7%          | 98.8%            |
| SAU802241     | TPA100196       | 56%      | 94.3%          | 97.6%            |
| SAU802241     | UUR100242       | 54%      | 94.3%          | 97.6%            |
| SAU802241     | VCH102550       | 50%      | 88.5%          | 91.7%            |
| SAU802241     | YPS002447       | 45%      | 86.2%          | 89.3%            |
| SAU802243     | ABA100087       | 52%      | 81.2%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802243     | BAN105442       | 79%      | 100%           | 100%             |
| SAU802243     | BFR12478        | 57%      | 94.4%          | 94.4%            |
| SAU802243     | BPT104060       | 55%      | 93.1%          | 97.1%            |
| SAU802243     | BBU100484       | 59%      | 95.1%          | 99.3%            |
| SAU802243     | BCE110254       | 55%      | 93.8%          | 97.8%            |
| SAU802243     | BFU100274       | 55%      | 93.8%          | 97.8%            |
| SAU802243     | BMA108797       | 56%      | 93.8%          | 97.8%            |
| SAU802243     | CUJ101604       | 62%      | 93.8%          | 95.7%            |
| SAU802243     | CPN200105       | 58%      | 94.4%          | 98.6%            |
| SAU802243     | CTR200797       | 59%      | 94.4%          | 98.6%            |
| SAU802243     | CAC102622       | 63%      | 99.3%          | 99.3%            |
| SAU802243     | CBO103643       | 66%      | 99.3%          | 99.3%            |
| SAU802243     | CDF100749       | 69%      | 97.2%          | 100%             |
| SAU802243     | CDP101572       | 63%      | 50.7%          | 97.3%            |
| SAU802243     | EBC103654       | 55%      | 93.1%          | 97.8%            |
| SAU802243     | EFA201987       | 74%      | 99.3%          | 99.3%            |
| SAU802243     | EFM200770       | 73%      | 99.3%          | 99.3%            |
| SAU802243     | ECO103236       | 54%      | 93.1%          | 97.8%            |
| SAU802243     | HIN100764       | 55%      | 93.1%          | 97.8%            |
| SAU802243     | HPY101294       | 55%      | 93.8%          | 95.7%            |
| SAU802243     | KPN300638       | 53%      | 86.8%          | 100%             |
| SAU802243     | LMO101423       | 74%      | 100%           | 100%             |
| SAU802243     | MCA100019       | 57%      | 93.1%          | 97.8%            |
| SAU802243     | MAV102093       | 55%      | 94.4%          | 98.6%            |
| SAU802243     | MBV101012       | 55%      | 94.4%          | 98.6%            |
| SAU802243     | MLP101130       | 56%      | 94.4%          | 98.6%            |
| SAU802243     | MTU200705       | 57%      | 94.4%          | 98.6%            |
| SAU802243     | MGE100161       | 55%      | 94.4%          | 98.6%            |
| SAU802243     | MPN100659       | 56%      | 95.1%          | 98.6%            |
| SAU802243     | NGO100936       | 56%      | 93.8%          | 97.8%            |
| SAU802243     | NME200116       | 56%      | 93.8%          | 97.8%            |
| SAU802243     | PMU101408       | 55%      | 93.1%          | 97.8%            |
| SAU802243     | PRT100078       | 55%      | 93.1%          | 97.8%            |
| SAU802243     | PAE204254       | 58%      | 93.1%          | 97.8%            |
| SAU802243     | PPU104518       | 57%      | 93.1%          | 97.8%            |
| SAU802243     | PSY103397       | 56%      | 93.1%          | 97.8%            |
| SAU802243     | SPA104307       | 54%      | 93.1%          | 97.8%            |
| SAU802243     | STY101803       | 54%      | 93.1%          | 97.8%            |
| SAU802243     | SAU802243       | 100%     | 100%           | 100%             |
| SAU802243     | SEP200265       | 97%      | 100%           | 100%             |
| SAU802243     | SHA100775       | 99%      | 100%           | 100%             |
| SAU802243     | SMU100608       | 75%      | 93.8%          | 98.5%            |
| SAU802243     | SPN400196       | 74%      | 93.8%          | 98.5%            |
| SAU802243     | SPY200044       | 74%      | 93.8%          | 98.5%            |
| SAU802243     | TPA100194       | 53%      | 92.4%          | 95.7%            |
| SAU802243     | UUR100240       | 57%      | 94.4%          | 98.6%            |
| SAU802243     | VCH102552       | 54%      | 93.8%          | 98.5%            |
| SAU802243     | YPS002443       | 58%      | 93.1%          | 97.8%            |
| SAU802244     | ABA100086       | 54%      | 95.4%          | 90.0%            |
| SAU802244     | BAN112122       | 74%      | 83.4%          | 100%             |
| SAU802244     | BAN102487       | 75%      | 100%           | 100%             |
| SAU802244     | BFR10672        | 54%      | 94.9%          | 84.4%            |
| SAU802244     | BPT100851       | 50%      | 95.4%          | 79.1%            |
| SAU802244     | BBU100483       | 47%      | 100%           | 75.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802244     | BCE110191       | 51%      | 95.4%          | 78.2%            |
| SAU802244     | BFU100273       | 51%      | 95.4%          | 90.8%            |
| SAU802244     | BMA108753       | 51%      | 95.4%          | 78.2%            |
| SAU802244     | CJU101605       | 52%      | 95.4%          | 89.3%            |
| SAU802244     | CPN200104       | 50%      | 94.5%          | 92.4%            |
| SAU802244     | CTR200798       | 47%      | 98.6%          | 96.9%            |
| SAU802244     | CAC103109       | 64%      | 96.8%          | 95.5%            |
| SAU802244     | CBO100517       | 61%      | 96.8%          | 95.1%            |
| SAU802244     | CDF100748       | 58%      | 97.2%          | 78.6%            |
| SAU802244     | CDP101570       | 50%      | 98.2%          | 83.6%            |
| SAU802244     | EBC103657       | 55%      | 95.4%          | 89.3%            |
| SAU802244     | EFA201993       | 77%      | 100%           | 100%             |
| SAU802244     | EFM201332       | 76%      | 100%           | 100%             |
| SAU802244     | ECO103237       | 55%      | 95.4%          | 89.3%            |
| SAU802244     | HIN100763       | 58%      | 95.4%          | 88.5%            |
| SAU802244     | HPY101295       | 54%      | 95.4%          | 88.9%            |
| SAU802244     | KPN300639       | 55%      | 95.4%          | 89.7%            |
| SAU802244     | LMO101810       | 77%      | 100%           | 100%             |
| SAU802244     | MCA100254       | 52%      | 98.2%          | 89.2%            |
| SAU802244     | MAV102092       | 50%      | 96.8%          | 75.4%            |
| SAU802244     | MBV101013       | 50%      | 96.8%          | 77.0%            |
| SAU802244     | MLP101131       | 50%      | 96.8%          | 75.1%            |
| SAU802244     | MTU200704       | 50%      | 96.8%          | 77.0%            |
| SAU802244     | MGE100160       | 42%      | 94.9%          | 78.4%            |
| SAU802244     | MPN100660       | 41%      | 94.9%          | 76.9%            |
| SAU802244     | NGO100939       | 52%      | 93.1%          | 88.3%            |
| SAU802244     | NME200117       | 53%      | 93.1%          | 88.3%            |
| SAU802244     | PMU101409       | 58%      | 95.4%          | 88.5%            |
| SAU802244     | PRT103066       | 55%      | 95.4%          | 89.3%            |
| SAU802244     | PAE204255       | 57%      | 95.4%          | 91.2%            |
| SAU802244     | PPU104517       | 56%      | 95.4%          | 87.8%            |
| SAU802244     | PSY103396       | 56%      | 95.4%          | 91.2%            |
| SAU802244     | SPA104309       | 55%      | 95.4%          | 89.3%            |
| SAU802244     | STY101802       | 55%      | 95.4%          | 89.3%            |
| SAU802244     | SAU802244       | 100%     | 100%           | 100%             |
| SAU802244     | SEP200267       | 96%      | 100%           | 100%             |
| SAU802244     | SHA100774       | 97%      | 100%           | 100%             |
| SAU802244     | SMU100609       | 72%      | 100%           | 100%             |
| SAU802244     | SPN400195       | 74%      | 100%           | 100%             |
| SAU802244     | SPY200043       | 74%      | 100%           | 100%             |
| SAU802244     | TPA100193       | 53%      | 94.0%          | 83.8%            |
| SAU802244     | UUR100239       | 47%      | 96.8%          | 83.3%            |
| SAU802244     | VCH102553       | 55%      | 95.4%          | 89.3%            |
| SAU802244     | YPS002439       | 56%      | 95.4%          | 89.7%            |
| SAU802245     | ABA100085       | 50%      | 91.5%          | 97.3%            |
| SAU802245     | BAN109858       | 63%      | 95.7%          | 99.1%            |
| SAU802245     | BAN111310       | 73%      | 95.7%          | 99.1%            |
| SAU802245     | BFR102815       | 40%      | 88.0%          | 89.0%            |
| SAU802245     | BPT104052       | 43%      | 91.5%          | 98.2%            |
| SAU802245     | BBU100482       | 34%      | 92.3%          | 90.8%            |
| SAU802245     | BCE103775       | 43%      | 93.2%          | 100%             |
| SAU802245     | BFU100272       | 42%      | 93.2%          | 100%             |
| SAU802245     | BMA104499       | 43%      | 93.2%          | 100%             |
| SAU802245     | CJU101606       | 36%      | 97.4%          | 78.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802245     | CPN200103       | 39%      | 90.6%          | 95.5%            |
| SAU802245     | CTR200799       | 38%      | 90.6%          | 95.5%            |
| SAU802245     | CAC102305       | 59%      | 93.2%          | 98.2%            |
| SAU802245     | CBO100872       | 53%      | 93.2%          | 98.2%            |
| SAU802245     | CDF103249       | 54%      | 94.9%          | 93.3%            |
| SAU802245     | CDP102437       | 57%      | 96.6%          | 94.2%            |
| SAU802245     | EBC103660       | 54%      | 93.2%          | 99.1%            |
| SAU802245     | BFA201995       | 66%      | 91.5%          | 91.5%            |
| SAU802245     | BFM202159       | 67%      | 91.5%          | 93.0%            |
| SAU802245     | ECO103238       | 54%      | 93.2%          | 99.1%            |
| SAU802245     | HIN100762       | 54%      | 93.2%          | 99.1%            |
| SAU802245     | HPY101296       | 40%      | 94.0%          | 86.9%            |
| SAU802245     | KPN300640       | 60%      | 36.8%          | 87.8%            |
| SAU802245     | LMO100543       | 74%      | 94.0%          | 93.2%            |
| SAU802245     | MCA100253       | 48%      | 93.2%          | 100%             |
| SAU802245     | MAV102091       | 53%      | 89.7%          | 58.3%            |
| SAU802245     | MBV101014       | 51%      | 89.7%          | 53.3%            |
| SAU802245     | MLP101132       | 52%      | 89.7%          | 60%              |
| SAU802245     | MTU200703       | 51%      | 89.7%          | 53.3%            |
| SAU802245     | MGE100159       | 41%      | 98.3%          | 79.9%            |
| SAU802245     | MPN100661       | 46%      | 91.5%          | 58.2%            |
| SAU802245     | NGO102695       | 46%      | 93.2%          | 100%             |
| SAU802245     | NME200118       | 46%      | 93.2%          | 100%             |
| SAU802245     | PMU101410       | 54%      | 93.2%          | 99.1%            |
| SAU802245     | PRT103067       | 53%      | 93.2%          | 99.1%            |
| SAU802245     | PAE204256       | 47%      | 93.2%          | 99.1%            |
| SAU802245     | PPU104507       | 47%      | 93.2%          | 99.1%            |
| SAU802245     | PSY107686       | 48%      | 77.8%          | 98.9%            |
| SAU802245     | SPA104311       | 54%      | 93.2%          | 99.1%            |
| SAU802245     | STY101801       | 54%      | 93.2%          | 99.1%            |
| SAU802245     | SAU802245       | 100%     | 100%           | 100%             |
| SAU802245     | SEP200269       | 99%      | 100%           | 100%             |
| SAU802245     | SHA100773       | 99%      | 100%           | 100%             |
| SAU802245     | SMU100610       | 63%      | 91.5%          | 93.9%            |
| SAU802245     | SPN400194       | 62%      | 91.5%          | 93.9%            |
| SAU802245     | SPY200042       | 65%      | 91.5%          | 93.9%            |
| SAU802245     | TPA100192       | 32%      | 90.6%          | 86.3%            |
| SAU802245     | UUR100238       | 44%      | 99.1%          | 37.6%            |
| SAU802245     | VCH102554       | 50%      | 93.2%          | 99.1%            |
| SAU802245     | YPS001865       | 53%      | 93.2%          | 99.1%            |
| SAU802246     | ABA100084       | 64%      | 98.9%          | 100%             |
| SAU802246     | BAN101977       | 68%      | 95.7%          | 96.6%            |
| SAU802246     | BAN110916       | 82%      | 100%           | 100%             |
| SAU802246     | BFR104321       | 64%      | 96.7%          | 100%             |
| SAU802246     | BPT104048       | 68%      | 98.9%          | 100%             |
| SAU802246     | BBU100481       | 58%      | 100%           | 100%             |
| SAU802246     | BCE112635       | 72%      | 95.7%          | 96.7%            |
| SAU802246     | BFU104367       | 72%      | 95.7%          | 96.7%            |
| SAU802246     | BMA100281       | 72%      | 95.7%          | 96.7%            |
| SAU802246     | CIU101607       | 61%      | 96.7%          | 95.7%            |
| SAU802246     | CPN200102       | 65%      | 90.2%          | 94.3%            |
| SAU802246     | CTR200800       | 65%      | 90.2%          | 94.3%            |
| SAU802246     | CAC101096       | 65%      | 97.8%          | 96.8%            |
| SAU802246     | CBO102193       | 60%      | 98.9%          | 86.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802246     | CDF103424       | 67%      | 100%           | 98.9%            |
| SAU802246     | CDP101567       | 77%      | 100%           | 100%             |
| SAU802246     | EBC103663       | 65%      | 100%           | 100%             |
| SAU802246     | EFA201997       | 83%      | 100%           | 100%             |
| SAU802246     | EFM202484       | 82%      | 100%           | 100%             |
| SAU802246     | ECO103239       | 65%      | 100%           | 100%             |
| SAU802246     | HIN100761       | 65%      | 95.7%          | 96.7%            |
| SAU802246     | HPY101297       | 63%      | 96.7%          | 95.7%            |
| SAU802246     | KPN300699       | 64%      | 100%           | 100%             |
| SAU802246     | LMO100277       | 82%      | 100%           | 100%             |
| SAU802246     | MCA100252       | 59%      | 98.9%          | 100%             |
| SAU802246     | MAV102090       | 78%      | 100%           | 98.9%            |
| SAU802246     | MBV101015       | 78%      | 100%           | 98.9%            |
| SAU802246     | MLP101133       | 77%      | 100%           | 98.9%            |
| SAU802246     | MTU200702       | 78%      | 100%           | 98.9%            |
| SAU802246     | MGE100158       | 63%      | 93.5%          | 98.9%            |
| SAU802246     | MPN100662       | 66%      | 93.5%          | 98.9%            |
| SAU802246     | NGO102970       | 65%      | 100%           | 100%             |
| SAU802246     | NME200119       | 65%      | 100%           | 100%             |
| SAU802246     | PMU101411       | 65%      | 95.7%          | 96.7%            |
| SAU802246     | PRT100323       | 66%      | 100%           | 100%             |
| SAU802246     | PAE204257       | 62%      | 98.9%          | 100%             |
| SAU802246     | PPU111002       | 62%      | 98.9%          | 100%             |
| SAU802246     | PSY101086       | 61%      | 98.9%          | 100%             |
| SAU802246     | SPA104313       | 64%      | 100%           | 100%             |
| SAU802246     | STY101800       | 64%      | 100%           | 100%             |
| SAU802246     | SAU802246       | 100%     | 100%           | 100%             |
| SAU802246     | SEP200271       | 96%      | 100%           | 100%             |
| SAU802246     | SHA100772       | 96%      | 100%           | 100%             |
| SAU802246     | SMU102869       | 86%      | 41.3%          | 95%              |
| SAU802246     | SPN400192       | 85%      | 100%           | 98.9%            |
| SAU802246     | SPY200041       | 85%      | 100%           | 100%             |
| SAU802246     | TPA100191       | 52%      | 100%           | 100%             |
| SAU802246     | UUR100237       | 65%      | 90.2%          | 94.3%            |
| SAU802246     | VCH102555       | 63%      | 100%           | 100%             |
| SAU802246     | YPS001864       | 65%      | 100%           | 100%             |
| SAU802247     | ABA100083       | 54%      | 100%           | 100%             |
| SAU802247     | BAN100305       | 80%      | 58.1%          | 98.8%            |
| SAU802247     | BFR10675        | 60%      | 99.6%          | 100%             |
| SAU802247     | BPT100850       | 57%      | 99.6%          | 100%             |
| SAU802247     | BBU100480       | 57%      | 99.6%          | 100%             |
| SAU802247     | BCE100228       | 57%      | 99.6%          | 100%             |
| SAU802247     | BFU100271       | 59%      | 99.6%          | 100%             |
| SAU802247     | BMA102202       | 60%      | 99.6%          | 100%             |
| SAU802247     | CJU101608       | 59%      | 100%           | 100%             |
| SAU802247     | CPN200101       | 52%      | 98.6%          | 99.3%            |
| SAU802247     | CTR200801       | 51%      | 98.6%          | 99.3%            |
| SAU802247     | CAC101509       | 66%      | 100%           | 100%             |
| SAU802247     | CBO101184       | 68%      | 100%           | 100%             |
| SAU802247     | CDF100747       | 66%      | 99.6%          | 100%             |
| SAU802247     | CDP101565       | 63%      | 99.3%          | 97.5%            |
| SAU802247     | EBC103628       | 58%      | 99.6%          | 100%             |
| SAU802247     | EFA201999       | 78%      | 99.6%          | 100%             |
| SAU802247     | EFM200310       | 76%      | 83.0%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802247     | ECO103240       | 58%      | 99.6%          | 100%             |
| SAU802247     | HIN100760       | 60%      | 99.6%          | 100%             |
| SAU802247     | HPY101298       | 57%      | 100%           | 100%             |
| SAU802247     | KPN300698       | 58%      | 99.6%          | 100%             |
| SAU802247     | LMO100597       | 84%      | 100%           | 100%             |
| SAU802247     | MCA100251       | 58%      | 100%           | 100%             |
| SAU802247     | MAV102089       | 62%      | 99.3%          | 97.5%            |
| SAU802247     | MBV101016       | 62%      | 99.3%          | 97.5%            |
| SAU802247     | MLP101134       | 60%      | 99.3%          | 97.5%            |
| SAU802247     | MTU200701       | 62%      | 99.3%          | 97.5%            |
| SAU802247     | MGE100157       | 60%      | 99.3%          | 98.6%            |
| SAU802247     | MPN100663       | 57%      | 99.3%          | 98.6%            |
| SAU802247     | NGO101613       | 62%      | 98.9%          | 98.2%            |
| SAU802247     | NME200120       | 62%      | 98.9%          | 98.2%            |
| SAU802247     | PMU101412       | 61%      | 99.6%          | 100%             |
| SAU802247     | PRT100324       | 60%      | 99.6%          | 100%             |
| SAU802247     | PAE204258       | 60%      | 99.3%          | 100%             |
| SAU802247     | PPU104505       | 59%      | 99.3%          | 100%             |
| SAU802247     | PSY107059       | 61%      | 99.3%          | 100%             |
| SAU802247     | SPA104315       | 57%      | 99.6%          | 100%             |
| SAU802247     | STY101789       | 57%      | 99.6%          | 100%             |
| SAU802247     | SAU802247       | 100%     | 100%           | 100%             |
| SAU802247     | SEP200273       | 95%      | 100%           | 100%             |
| SAU802247     | SHA100771       | 96%      | 100%           | 100%             |
| SAU802247     | SPN400191       | 76%      | 100%           | 100%             |
| SAU802247     | SPY200040       | 78%      | 100%           | 100%             |
| SAU802247     | TPA100190       | 57%      | 99.3%          | 100%             |
| SAU802247     | UUR100236       | 63%      | 99.3%          | 100%             |
| SAU802247     | VCH102556       | 61%      | 99.6%          | 100%             |
| SAU802247     | YPS001863       | 60%      | 100%           | 100%             |
| SAU802248     | ABA100082       | 40%      | 87.9%          | 76.4%            |
| SAU802248     | BFR102748       | 38%      | 94.5%          | 95.8%            |
| SAU802248     | BPT104043       | 39%      | 87.9%          | 82.7%            |
| SAU802248     | BBU100479       | 38%      | 98.9%          | 95.1%            |
| SAU802248     | BCE100645       | 41%      | 87.9%          | 77.9%            |
| SAU802248     | BFU103900       | 41%      | 87.9%          | 77.9%            |
| SAU802248     | BMA108040       | 41%      | 87.9%          | 77.9%            |
| SAU802248     | CJU101609       | 29%      | 86.8%          | 84.9%            |
| SAU802248     | CPN200100       | 34%      | 89.0%          | 91.9%            |
| SAU802248     | CTR200802       | 32%      | 89.0%          | 91.9%            |
| SAU802248     | CAC102428       | 51%      | 92.3%          | 85.7%            |
| SAU802248     | CBO102507       | 48%      | 90.1%          | 84.5%            |
| SAU802248     | CDF101975       | 49%      | 93.4%          | 88.5%            |
| SAU802248     | CDP102947       | 45%      | 97.8%          | 90.1%            |
| SAU802248     | EBC101608       | 37%      | 87.9%          | 81.8%            |
| SAU802248     | EFA205285       | 68%      | 97.8%          | 92.7%            |
| SAU802248     | ECO103241       | 38%      | 87.9%          | 81%              |
| SAU802248     | HIN100759       | 37%      | 87.9%          | 81.8%            |
| SAU802248     | KPN300697       | 38%      | 87.9%          | 81%              |
| SAU802248     | LMO100631       | 68%      | 97.8%          | 94.7%            |
| SAU802248     | MCA100250       | 43%      | 89.0%          | 76.1%            |
| SAU802248     | MAV102088       | 49%      | 97.8%          | 91%              |
| SAU802248     | MBV101017       | 50%      | 97.8%          | 91%              |
| SAU802248     | MLP101135       | 50%      | 97.8%          | 91%              |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802248     | MTU200700       | 50%      | 97.8%          | 91%              |
| SAU802248     | MGE100156       | 38%      | 93.4%          | 83.0%            |
| SAU802248     | MPN100664       | 34%      | 93.4%          | 37.1%            |
| SAU802248     | NGO102702       | 42%      | 83.5%          | 74.0%            |
| SAU802248     | NME200121       | 38%      | 87.9%          | 76.4%            |
| SAU802248     | PMU101413       | 39%      | 87.9%          | 81%              |
| SAU802248     | PRT100325       | 39%      | 87.9%          | 81%              |
| SAU802248     | PAE204259       | 38%      | 87.9%          | 81.8%            |
| SAU802248     | PPU102891       | 41%      | 87.9%          | 81.8%            |
| SAU802248     | PSY107072       | 35%      | 87.9%          | 81.8%            |
| SAU802248     | SPA104317       | 38%      | 87.9%          | 81%              |
| SAU802248     | STY101788       | 38%      | 87.9%          | 81%              |
| SAU802248     | SAU802248       | 100%     | 100%           | 100%             |
| SAU802248     | SEP200275       | 92%      | 100%           | 100%             |
| SAU802248     | SHA100770       | 93%      | 100%           | 100%             |
| SAU802248     | SPN400190       | 53%      | 98.9%          | 94.9%            |
| SAU802248     | SPY200039       | 56%      | 98.9%          | 94.9%            |
| SAU802248     | TPA100189       | 40%      | 93.4%          | 90.4%            |
| SAU802248     | UUR100235       | 30%      | 93.4%          | 84.8%            |
| SAU802248     | VCH102557       | 40%      | 87.9%          | 81%              |
| SAU802248     | YPS005095       | 38%      | 87.9%          | 81%              |
| SAU802249     | ABA100081       | 42%      | 94.7%          | 98%              |
| SAU802249     | BFR10676        | 45%      | 97.6%          | 98.1%            |
| SAU802249     | BPT100849       | 37%      | 95.7%          | 96.6%            |
| SAU802249     | BBU100478       | 40%      | 96.1%          | 96.2%            |
| SAU802249     | BCE103118       | 36%      | 97.1%          | 97.6%            |
| SAU802249     | BFU100270       | 36%      | 97.1%          | 97.6%            |
| SAU802249     | BMA104332       | 40%      | 62.3%          | 97.0%            |
| SAU802249     | CJU101610       | 35%      | 91.8%          | 92.2%            |
| SAU802249     | CPN200099       | 37%      | 94.7%          | 92.9%            |
| SAU802249     | CTR200803       | 40%      | 94.7%          | 92.8%            |
| SAU802249     | CAC100377       | 48%      | 99.0%          | 99.0%            |
| SAU802249     | CBO103307       | 47%      | 99.0%          | 99.0%            |
| SAU802249     | CDF100746       | 54%      | 99.0%          | 94.5%            |
| SAU802249     | CDP101562       | 43%      | 93.7%          | 89.9%            |
| SAU802249     | EBC101609       | 41%      | 90.8%          | 93.0%            |
| SAU802249     | EFA202001       | 61%      | 99.5%          | 99.5%            |
| SAU802249     | ECO103242       | 40%      | 92.3%          | 94.5%            |
| SAU802249     | HIN100758       | 38%      | 96.6%          | 99.5%            |
| SAU802249     | HPY101300       | 38%      | 91.8%          | 91.2%            |
| SAU802249     | KPN300696       | 39%      | 92.3%          | 94.5%            |
| SAU802249     | LMO102640       | 60%      | 99.5%          | 99.5%            |
| SAU802249     | MCA100249       | 40%      | 96.6%          | 99.5%            |
| SAU802249     | MAV102087       | 45%      | 93.7%          | 92.2%            |
| SAU802249     | MBV101018       | 43%      | 93.7%          | 87.4%            |
| SAU802249     | MLP101136       | 46%      | 93.7%          | 84.8%            |
| SAU802249     | MTU200699       | 43%      | 93.7%          | 87.4%            |
| SAU802249     | MGE100155       | 38%      | 99.5%          | 99.5%            |
| SAU802249     | MPN100665       | 37%      | 98.1%          | 98.1%            |
| SAU802249     | NGO101615       | 37%      | 96.1%          | 96.6%            |
| SAU802249     | NME200122       | 36%      | 96.1%          | 96.6%            |
| SAU802249     | PMU101414       | 39%      | 96.6%          | 99.5%            |
| SAU802249     | PRT103342       | 41%      | 92.8%          | 95.0%            |
| SAU802249     | PAE204260       | 46%      | 97.1%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802249     | PPU104504       | 43%      | 97.1%          | 100%             |
| SAU802249     | PSY108736       | 43%      | 97.1%          | 100%             |
| SAU802249     | SPA104319       | 40%      | 92.3%          | 95%              |
| SAU802249     | STY101787       | 40%      | 92.3%          | 94.5%            |
| SAU802249     | SAU802249       | 100%     | 100%           | 100%             |
| SAU802249     | SEP200280       | 90%      | 99.5%          | 99.5%            |
| SAU802249     | SHA100769       | 89%      | 100%           | 100%             |
| SAU802249     | SMU101861       | 48%      | 15.0%          | 100%             |
| SAU802249     | SPN400189       | 63%      | 99.5%          | 99.5%            |
| SAU802249     | SPY200038       | 61%      | 99.5%          | 99.5%            |
| SAU802249     | TPA100188       | 38%      | 96.1%          | 92.1%            |
| SAU802249     | UUR100234       | 36%      | 98.6%          | 100%             |
| SAU802249     | VCH102558       | 44%      | 93.2%          | 96%              |
| SAU802249     | YPS001862       | 40%      | 92.8%          | 95.0%            |
| SAU802250     | ABA100080       | 50%      | 43.2%          | 98.0%            |
| SAU802250     | BFR10677        | 49%      | 94.5%          | 98.0%            |
| SAU802250     | BPT100848       | 46%      | 96.8%          | 91.3%            |
| SAU802250     | BBU100477       | 48%      | 96.8%          | 99.0%            |
| SAU802250     | BCE112456       | 45%      | 100%           | 99.5%            |
| SAU802250     | BFU100269       | 45%      | 98.2%          | 96.3%            |
| SAU802250     | BMA106660       | 45%      | 98.2%          | 96.3%            |
| SAU802250     | CJU101611       | 34%      | 92.7%          | 95.3%            |
| SAU802250     | CPN200098       | 41%      | 95.5%          | 95.9%            |
| SAU802250     | CTR200804       | 44%      | 95.5%          | 95.0%            |
| SAU802250     | CAC103369       | 55%      | 98.2%          | 99.5%            |
| SAU802250     | CBO101061       | 56%      | 98.2%          | 96.3%            |
| SAU802250     | CDF100745       | 57%      | 97.3%          | 98.1%            |
| SAU802250     | CDP100915       | 48%      | 98.2%          | 95.9%            |
| SAU802250     | EBC101610       | 42%      | 96.8%          | 98.6%            |
| SAU802250     | EFA202003       | 64%      | 98.2%          | 99.0%            |
| SAU802250     | ECO103243       | 43%      | 96.8%          | 98.6%            |
| SAU802250     | HIN100757       | 45%      | 96.8%          | 98.6%            |
| SAU802250     | HPY101301       | 33%      | 90%            | 92.7%            |
| SAU802250     | KPN300695       | 41%      | 40.9%          | 98.9%            |
| SAU802250     | LMO102018       | 66%      | 98.2%          | 99.0%            |
| SAU802250     | MCA100248       | 45%      | 98.2%          | 99.5%            |
| SAU802250     | MAV102086       | 49%      | 99.1%          | 98.6%            |
| SAU802250     | MBV100990       | 48%      | 99.1%          | 98.6%            |
| SAU802250     | MLP101137       | 49%      | 99.1%          | 98.2%            |
| SAU802250     | MTU200698       | 48%      | 99.1%          | 98.6%            |
| SAU802250     | MGE100154       | 39%      | 99.1%          | 82.9%            |
| SAU802250     | MPN100666       | 41%      | 97.7%          | 73.2%            |
| SAU802250     | NGO101617       | 46%      | 99.1%          | 99.5%            |
| SAU802250     | NME200123       | 46%      | 99.1%          | 99.5%            |
| SAU802250     | PMU101415       | 46%      | 96.8%          | 98.6%            |
| SAU802250     | PRT102977       | 45%      | 96.8%          | 98.6%            |
| SAU802250     | PAE204261       | 46%      | 98.2%          | 98.6%            |
| SAU802250     | PPU111511       | 45%      | 98.2%          | 98.6%            |
| SAU802250     | PSY106254       | 46%      | 98.2%          | 93.7%            |
| SAU802250     | SPA104320       | 43%      | 90.9%          | 92.3%            |
| SAU802250     | STY101786       | 45%      | 90.9%          | 92.3%            |
| SAU802250     | SAU802250       | 100%     | 100%           | 100%             |
| SAU802250     | SEP200281       | 91%      | 100%           | 100%             |
| SAU802250     | SHA100768       | 90%      | 59.5%          | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802250     | SMU100611       | 65%      | 98.2%          | 98.6%            |
| SAU802250     | SPN400188       | 65%      | 99.1%          | 99.5%            |
| SAU802250     | SPY200037       | 64%      | 98.2%          | 98.6%            |
| SAU802250     | TPA100187       | 43%      | 97.3%          | 98.1%            |
| SAU802250     | UUR100233       | 44%      | 98.6%          | 90.1%            |
| SAU802250     | VCH102559       | 48%      | 96.8%          | 98.6%            |
| SAU802250     | YPS001861       | 43%      | 96.8%          | 98.6%            |
| SAU802251     | ABA100720       | 56%      | 64.7%          | 100%             |
| SAU802251     | BAN112470       | 86%      | 82.4%          | 100%             |
| SAU802251     | BFR102501       | 63%      | 97.1%          | 98.0%            |
| SAU802251     | BPT104019       | 64%      | 100%           | 85.7%            |
| SAU802251     | BBU100476       | 54%      | 99.0%          | 98.1%            |
| SAU802251     | BCE114850       | 65%      | 100%           | 82.3%            |
| SAU802251     | BFU100268       | 65%      | 100%           | 71.3%            |
| SAU802251     | BMA104676       | 65%      | 100%           | 99.0%            |
| SAU802251     | CJU101612       | 53%      | 96.1%          | 95.1%            |
| SAU802251     | CPN200200       | 65%      | 97.1%          | 94.3%            |
| SAU802251     | CTR200710       | 66%      | 97.1%          | 94.3%            |
| SAU802251     | CAC101769       | 78%      | 100%           | 100%             |
| SAU802251     | CBO101448       | 76%      | 100%           | 100%             |
| SAU802251     | CDF104153       | 80%      | 61.8%          | 100%             |
| SAU802251     | CDP100914       | 71%      | 99.0%          | 100%             |
| SAU802251     | EBC101611       | 64%      | 100%           | 99.0%            |
| SAU802251     | EFA205288       | 86%      | 100%           | 100%             |
| SAU802251     | ECO103244       | 62%      | 100%           | 99.0%            |
| SAU802251     | HIN100756       | 64%      | 100%           | 86.4%            |
| SAU802251     | HPY101302       | 58%      | 95.1%          | 93.3%            |
| SAU802251     | KPN304660       | 64%      | 100%           | 94.4%            |
| SAU802251     | LMO100137       | 88%      | 100%           | 100%             |
| SAU802251     | MCA101858       | 61%      | 100%           | 99.0%            |
| SAU802251     | MAV102085       | 71%      | 99.0%          | 100%             |
| SAU802251     | MBV100992       | 71%      | 99.0%          | 100%             |
| SAU802251     | MLP101138       | 71%      | 99.0%          | 100%             |
| SAU802251     | MTU200697       | 71%      | 99.0%          | 100%             |
| SAU802251     | MGE100153       | 43%      | 92.2%          | 88.7%            |
| SAU802251     | MPN100667       | 42%      | 92.2%          | 87.0%            |
| SAU802251     | NGO102546       | 65%      | 100%           | 99.0%            |
| SAU802251     | NME200127       | 65%      | 100%           | 99.0%            |
| SAU802251     | PMU101416       | 64%      | 100%           | 99.0%            |
| SAU802251     | PRT100142       | 64%      | 100%           | 99.0%            |
| SAU802251     | PAE204262       | 62%      | 100%           | 99.0%            |
| SAU802251     | PPU104502       | 61%      | 91.2%          | 98.9%            |
| SAU802251     | PSY106273       | 62%      | 100%           | 82.3%            |
| SAU802251     | SPA104323       | 54%      | 100%           | 94.6%            |
| SAU802251     | STY101785       | 64%      | 100%           | 99.0%            |
| SAU802251     | SAU802251       | 100%     | 100%           | 100%             |
| SAU802251     | SEP200282       | 99%      | 100%           | 100%             |
| SAU802251     | SHA102423       | 96%      | 100%           | 100%             |
| SAU802251     | SMU100612       | 75%      | 100%           | 100%             |
| SAU802251     | SPN400187       | 77%      | 100%           | 100%             |
| SAU802251     | SPY200036       | 76%      | 100%           | 100%             |
| SAU802251     | TPA100186       | 51%      | 99.0%          | 99.0%            |
| SAU802251     | UUR100232       | 51%      | 97.1%          | 98.0%            |
| SAU802251     | VCH102560       | 62%      | 100%           | 99.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802251     | YPS005092       | 64%      | 100%           | 99.0%            |
| SAU802254     | BAN106323       | 36%      | 98.5%          | 100%             |
| SAU802254     | BAN107719       | 48%      | 99.6%          | 99.3%            |
| SAU802254     | BFR11341        | 34%      | 83.5%          | 87.4%            |
| SAU802254     | BPT100056       | 35%      | 84.8%          | 72.3%            |
| SAU802254     | BCE103151       | 34%      | 84.8%          | 90.6%            |
| SAU802254     | BFU100507       | 34%      | 84.8%          | 70.8%            |
| SAU802254     | BMA106704       | 35%      | 76.9%          | 91.9%            |
| SAU802254     | CAC102331       | 44%      | 99.6%          | 98.6%            |
| SAU802254     | CBO102358       | 46%      | 99.2%          | 98.5%            |
| SAU802254     | CDF103201       | 48%      | 99.6%          | 99.3%            |
| SAU802254     | EBC101583       | 28%      | 48.0%          | 82.8%            |
| SAU802254     | EFA201812       | 40%      | 97.6%          | 97.1%            |
| SAU802254     | EFM200904       | 35%      | 41.6%          | 100%             |
| SAU802254     | ECO101731       | 29%      | 80.0%          | 90.8%            |
| SAU802254     | HIN100424       | 31%      | 81.2%          | 93.7%            |
| SAU802254     | KPN302957       | 29%      | 80.0%          | 91.5%            |
| SAU802254     | LMO102705       | 47%      | 99.9%          | 99.4%            |
| SAU802254     | PMU100207       | 31%      | 81.2%          | 94.6%            |
| SAU802254     | PRT106061       | 29%      | 81.7%          | 92.4%            |
| SAU802254     | PPU110370       | 29%      | 68.2%          | 89.2%            |
| SAU802254     | PSY104995       | 30%      | 74.0%          | 88.2%            |
| SAU802254     | SPA100636       | 33%      | 24.6%          | 72.4%            |
| SAU802254     | STY102434       | 30%      | 87.6%          | 96.7%            |
| SAU802254     | STM103402       | 29%      | 80.0%          | 91.4%            |
| SAU802254     | SAU802254       | 100%     | 100%           | 100%             |
| SAU802254     | SEP200287       | 72%      | 100%           | 100%             |
| SAU802254     | SHA100701       | 73%      | 99.9%          | 99.6%            |
| SAU802254     | VCH102013       | 32%      | 79.0%          | 91.3%            |
| SAU802254     | YPS000729       | 29%      | 82.4%          | 95.0%            |
| SAU802261     | ABA100532       | 26%      | 98.2%          | 97.7%            |
| SAU802261     | BAN104054       | 25%      | 96.0%          | 98.2%            |
| SAU802261     | BAN111342       | 33%      | 99.7%          | 98.7%            |
| SAU802261     | BAN113400       | 37%      | 99.1%          | 49.8%            |
| SAU802261     | BAN109301       | 45%      | 99.8%          | 100%             |
| SAU802261     | BFR11719        | 25%      | 49.6%          | 97.6%            |
| SAU802261     | BPT102713       | 23%      | 97.4%          | 96.4%            |
| SAU802261     | BBU100139       | 26%      | 99.5%          | 48.9%            |
| SAU802261     | BCE101292       | 24%      | 97.1%          | 48.4%            |
| SAU802261     | BFU109876       | 23%      | 97.3%          | 50.7%            |
| SAU802261     | BFU100767       | 24%      | 97.1%          | 45.9%            |
| SAU802261     | BMA103699       | 23%      | 99.8%          | 97.6%            |
| SAU802261     | CJU100961       | 23%      | 51.4%          | 99.9%            |
| SAU802261     | CAC102232       | 36%      | 55.5%          | 9.3%             |
| SAU802261     | CDF100351       | 30%      | 29.3%          | 100%             |
| SAU802261     | CDF103505       | 27%      | 98.6%          | 95.9%            |
| SAU802261     | EBC101480       | 24%      | 97.5%          | 97.9%            |
| SAU802261     | EFA103690       | 20%      | 31.3%          | 93.3%            |
| SAU802261     | EFM200039       | 20%      | 31.3%          | 93.3%            |
| SAU802261     | ECO102034       | 24%      | 98.6%          | 97.0%            |
| SAU802261     | HIN100875       | 24%      | 98.2%          | 97.0%            |
| SAU802261     | HPY100600       | 23%      | 98.3%          | 97.9%            |
| SAU802261     | KPN304473       | 24%      | 98.7%          | 97.6%            |
| SAU802261     | LPN100210       | 22%      | 99.1%          | 97.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802261     | LPN100247       | 22%      | 98.8%          | 98.4%            |
| SAU802261     | MCA102709       | 23%      | 98.6%          | 98.7%            |
| SAU802261     | NGO100607       | 22%      | 98.7%          | 97.1%            |
| SAU802261     | NME201818       | 23%      | 98.7%          | 97.1%            |
| SAU802261     | PMU101132       | 23%      | 97.6%          | 96.5%            |
| SAU802261     | PRT102325       | 24%      | 97.4%          | 95.7%            |
| SAU802261     | PAE202524       | 24%      | 98.3%          | 46.8%            |
| SAU802261     | PPU103094       | 25%      | 98.3%          | 98.8%            |
| SAU802261     | PSY102999       | 24%      | 98.9%          | 98.3%            |
| SAU802261     | SPA104062       | 22%      | 96.5%          | 97.5%            |
| SAU802261     | STY104173       | 24%      | 98.6%          | 97.0%            |
| SAU802261     | STM103910       | 23%      | 98.6%          | 97.0%            |
| SAU802261     | SAU802261       | 100%     | 100%           | 100%             |
| SAU802261     | SEP200295       | 75%      | 100%           | 99.7%            |
| SAU802261     | SHA100824       | 74%      | 99.1%          | 94.8%            |
| SAU802261     | VCH100898       | 23%      | 98.7%          | 97.1%            |
| SAU802261     | YPS003137       | 24%      | 50.4%          | 96.9%            |
| SAU802262     | BFR104711       | 26%      | 22.3%          | 25.9%            |
| SAU802262     | BBU100585       | 21%      | 93.6%          | 95.1%            |
| SAU802262     | CAC101449       | 29%      | 23.8%          | 32.4%            |
| SAU802262     | SAU802262       | 100%     | 100%           | 100%             |
| SAU802262     | SEP200301       | 80%      | 100%           | 100%             |
| SAU802262     | SHA100823       | 78%      | 100%           | 100%             |
| SAU802262     | SPN400540       | 26%      | 98.8%          | 98.3%            |
| SAU802262     | SPY200444       | 29%      | 91.9%          | 92.2%            |
| SAU802273     | ABA105779       | 30%      | 92.4%          | 94.2%            |
| SAU802273     | BAN100337       | 38%      | 97.6%          | 99.3%            |
| SAU802273     | BAN108929       | 48%      | 92.6%          | 98.5%            |
| SAU802273     | BAN104661       | 48%      | 98.8%          | 97.4%            |
| SAU802273     | BAN112052       | 50%      | 98.6%          | 95.9%            |
| SAU802273     | BAN113492       | 52%      | 97.4%          | 96.0%            |
| SAU802273     | BPT101119       | 31%      | 86.9%          | 89.5%            |
| SAU802273     | BCE114366       | 32%      | 90.2%          | 89.3%            |
| SAU802273     | BFU101148       | 33%      | 82.3%          | 83.0%            |
| SAU802273     | BMA103156       | 33%      | 83.8%          | 76.8%            |
| SAU802273     | CJU101433       | 28%      | 90.0%          | 93.2%            |
| SAU802273     | CAC103575       | 31%      | 88.3%          | 90.9%            |
| SAU802273     | CBO100240       | 28%      | 94.7%          | 97.8%            |
| SAU802273     | CDF101730       | 34%      | 90.2%          | 93.9%            |
| SAU802273     | CDP101687       | 29%      | 84.0%          | 86.8%            |
| SAU802273     | EBC102785       | 30%      | 94.7%          | 96.1%            |
| SAU802273     | EFA202358       | 31%      | 91.9%          | 95.8%            |
| SAU802273     | ECO100803       | 29%      | 90.0%          | 90.8%            |
| SAU802273     | HIN101417       | 33%      | 89.3%          | 91.8%            |
| SAU802273     | HPY100169       | 27%      | 87.4%          | 90.8%            |
| SAU802273     | KPN302747       | 31%      | 76.1%          | 76.4%            |
| SAU802273     | LMO100059       | 36%      | 97.6%          | 99.8%            |
| SAU802273     | MCA101689       | 35%      | 93.1%          | 94.1%            |
| SAU802273     | MAV101757       | 32%      | 90.7%          | 93.8%            |
| SAU802273     | MBV106113       | 32%      | 86.9%          | 93.6%            |
| SAU802273     | MLP100130       | 25%      | 94.3%          | 97.6%            |
| SAU802273     | MTU200437       | 31%      | 90.9%          | 94.8%            |
| SAU802273     | PMU100694       | 33%      | 94.7%          | 97.8%            |
| SAU802273     | PRT102031       | 28%      | 95.2%          | 95.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802273     | PAE203911       | 30%      | 83.1%          | 84.3%            |
| SAU802273     | PAE203026       | 30%      | 90.5%          | 91.1%            |
| SAU802273     | PPU103226       | 30%      | 85.0%          | 86.0%            |
| SAU802273     | PSY102581       | 32%      | 78.8%          | 80.2%            |
| SAU802273     | SPA100308       | 26%      | 76.1%          | 89.3%            |
| SAU802273     | STY102410       | 30%      | 76.1%          | 76.0%            |
| SAU802273     | SAU802273       | 100%     | 100%           | 100%             |
| SAU802273     | SEP200335       | 74%      | 100%           | 100%             |
| SAU802273     | SHA101561       | 77%      | 100%           | 100%             |
| SAU802273     | VCH101503       | 31%      | 90.2%          | 61.6%            |
| SAU802273     | YPS002254       | 27%      | 95.2%          | 93.4%            |
| SAU802275     | BAN104975       | 53%      | 92.9%          | 91.7%            |
| SAU802275     | BPT101121       | 40%      | 86.3%          | 82.7%            |
| SAU802275     | BCE102933       | 33%      | 75%            | 63.9%            |
| SAU802275     | BFU100752       | 32%      | 75%            | 59.2%            |
| SAU802275     | BMA109380       | 35%      | 75%            | 62.6%            |
| SAU802275     | CJU100675       | 35%      | 83.9%          | 78.9%            |
| SAU802275     | CAC100345       | 36%      | 88.7%          | 89.1%            |
| SAU802275     | CBO103886       | 34%      | 85.1%          | 87.7%            |
| SAU802275     | CDF101203       | 41%      | 58.3%          | 58.7%            |
| SAU802275     | EBC102209       | 43%      | 87.5%          | 85.3%            |
| SAU802275     | EFA202344       | 32%      | 91.7%          | 93.1%            |
| SAU802275     | ECO100758       | 44%      | 87.5%          | 85.3%            |
| SAU802275     | HIN100319       | 32%      | 89.9%          | 77.2%            |
| SAU802275     | HPY100786       | 35%      | 84.5%          | 81.2%            |
| SAU802275     | KPN303581       | 43%      | 87.5%          | 85.3%            |
| SAU802275     | LMO101377       | 45%      | 92.9%          | 95.1%            |
| SAU802275     | MCA101697       | 47%      | 86.9%          | 76.2%            |
| SAU802275     | MAV104045       | 30%      | 92.3%          | 95%              |
| SAU802275     | MBV100621       | 30%      | 80.4%          | 73.5%            |
| SAU802275     | MLP100125       | 30%      | 91.7%          | 83.4%            |
| SAU802275     | MTU200973       | 30%      | 80.4%          | 73.5%            |
| SAU802275     | PMU102003       | 31%      | 85.7%          | 75.5%            |
| SAU802275     | PRT105678       | 31%      | 84.5%          | 73.3%            |
| SAU802275     | PAE203912       | 38%      | 86.3%          | 77.3%            |
| SAU802275     | PAE203027       | 44%      | 86.3%          | 79.9%            |
| SAU802275     | PPU101702       | 43%      | 86.3%          | 79.9%            |
| SAU802275     | PSY109125       | 43%      | 86.3%          | 79.9%            |
| SAU802275     | SPA102733       | 45%      | 87.5%          | 85.3%            |
| SAU802275     | STY102331       | 45%      | 87.5%          | 85.3%            |
| SAU802275     | STM102090       | 45%      | 87.5%          | 85.3%            |
| SAU802275     | SAU802275       | 100%     | 100%           | 100%             |
| SAU802275     | SEP200340       | 66%      | 98.8%          | 95.5%            |
| SAU802275     | SHA101559       | 73%      | 100%           | 98.2%            |
| SAU802275     | VCH101006       | 47%      | 86.3%          | 84.1%            |
| SAU802275     | YPS000774       | 28%      | 89.9%          | 77.9%            |
| SAU802276     | ABA105442       | 31%      | 65.6%          | 84.1%            |
| SAU802276     | BAN103191       | 31%      | 99.1%          | 99.4%            |
| SAU802276     | BAN103239       | 35%      | 98.8%          | 99.1%            |
| SAU802276     | BAN100839       | 43%      | 94.6%          | 95.0%            |
| SAU802276     | BAN102602       | 44%      | 94.6%          | 95.0%            |
| SAU802276     | BAN107456       | 42%      | 98.8%          | 99.1%            |
| SAU802276     | BAN112551       | 43%      | 99.1%          | 99.4%            |
| SAU802276     | BAN105516       | 43%      | 99.4%          | 99.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802276     | BFR102200       | 32%      | 41.9%          | 61.3%            |
| SAU802276     | BPT100891       | 29%      | 71.6%          | 90.9%            |
| SAU802276     | BCE105273       | 28%      | 37.7%          | 72.9%            |
| SAU802276     | BFU102717       | 32%      | 60.8%          | 81.0%            |
| SAU802276     | BMA107045       | 32%      | 60.8%          | 81.0%            |
| SAU802276     | CDP101620       | 31%      | 65.6%          | 64.8%            |
| SAU802276     | EBC102784       | 31%      | 71.6%          | 96.7%            |
| SAU802276     | EFA202445       | 31%      | 45.5%          | 40.3%            |
| SAU802276     | ECO103890       | 33%      | 71.6%          | 96.7%            |
| SAU802276     | HIN101418       | 32%      | 60.5%          | 82.7%            |
| SAU802276     | HPY100801       | 32%      | 53.9%          | 69.4%            |
| SAU802276     | KPN302744       | 31%      | 71.6%          | 94.8%            |
| SAU802276     | LPN101229       | 33%      | 60.2%          | 53.6%            |
| SAU802276     | LMO101764       | 34%      | 98.8%          | 99.4%            |
| SAU802276     | MCA103599       | 32%      | 71.3%          | 90.2%            |
| SAU802276     | MCA100944       | 30%      | 71.6%          | 93.3%            |
| SAU802276     | MAV102617       | 29%      | 61.1%          | 52.3%            |
| SAU802276     | MBV102230       | 30%      | 72.8%          | 62.5%            |
| SAU802276     | MLP100495       | 29%      | 61.1%          | 52.7%            |
| SAU802276     | MTU203076       | 30%      | 72.8%          | 62.5%            |
| SAU802276     | NGO101068       | 31%      | 71.6%          | 93.4%            |
| SAU802276     | NME200347       | 31%      | 71.6%          | 93.4%            |
| SAU802276     | PMU100695       | 33%      | 60.5%          | 84.5%            |
| SAU802276     | PRT101552       | 39%      | 62.0%          | 82.7%            |
| SAU802276     | PAE204660       | 34%      | 60.8%          | 80.6%            |
| SAU802276     | PPU109704       | 36%      | 60.8%          | 80.9%            |
| SAU802276     | PSY102406       | 34%      | 60.8%          | 78.4%            |
| SAU802276     | SPA100132       | 29%      | 71.6%          | 95.6%            |
| SAU802276     | STY102652       | 32%      | 71.6%          | 94.0%            |
| SAU802276     | SAU802276       | 100%     | 100%           | 100%             |
| SAU802276     | SEP200343       | 68%      | 99.4%          | 99.7%            |
| SAU802276     | SHA101558       | 72%      | 100%           | 100%             |
| SAU802276     | SPN400608       | 32%      | 36.8%          | 37.7%            |
| SAU802276     | VCH103341       | 31%      | 71.3%          | 93.7%            |
| SAU802276     | YPS000463       | 29%      | 71.6%          | 94.0%            |
| SAU802288     | ABA104364       | 64%      | 100%           | 48.3%            |
| SAU802288     | BPT101328       | 64%      | 100%           | 100%             |
| SAU802288     | BCE114774       | 65%      | 99%            | 47.8%            |
| SAU802288     | BFU110403       | 65%      | 99%            | 81.8%            |
| SAU802288     | BMA101403       | 63%      | 99%            | 43.4%            |
| SAU802288     | EBC101014       | 62%      | 100%           | 38.3%            |
| SAU802288     | ECO201397       | 61%      | 100%           | 100%             |
| SAU802288     | ECO205623       | 61%      | 100%           | 100%             |
| SAU802288     | HIN100520       | 58%      | 99%            | 99%              |
| SAU802288     | KPN300384       | 60%      | 66%            | 80.5%            |
| SAU802288     | KPN307408       | 63%      | 100%           | 100%             |
| SAU802288     | MBV102038       | 62%      | 99%            | 99%              |
| SAU802288     | MTU201815       | 62%      | 99%            | 99%              |
| SAU802288     | PAE204860       | 66%      | 99%            | 99%              |
| SAU802288     | PPU110641       | 64%      | 99%            | 47.4%            |
| SAU802288     | PSY101839       | 61%      | 99%            | 99%              |
| SAU802288     | SAU802288       | 100%     | 100%           | 100%             |
| SAU802288     | SEP101087       | 92%      | 100%           | 48.3%            |
| SAU802288     | UUR100439       | 59%      | 99%            | 98.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802288     | YPS001366       | 52%      | 99%            | 99%              |
| SAU802290     | ABA103748       | 60%      | 99.5%          | 99.8%            |
| SAU802290     | BPT101319       | 57%      | 99.5%          | 99.6%            |
| SAU802290     | BCE105583       | 60%      | 100%           | 100%             |
| SAU802290     | BFU110328       | 60%      | 100%           | 100%             |
| SAU802290     | BMA103367       | 60%      | 100%           | 100%             |
| SAU802290     | EBC100116       | 66%      | 50.8%          | 98.3%            |
| SAU802290     | EFM200086       | 28%      | 12.4%          | 13.9%            |
| SAU802290     | ECO205553       | 62%      | 100%           | 100%             |
| SAU802290     | ECO201399       | 62%      | 100%           | 100%             |
| SAU802290     | HIN100518       | 59%      | 100%           | 100%             |
| SAU802290     | HPY100070       | 57%      | 99.5%          | 99.6%            |
| SAU802290     | KPN304109       | 62%      | 99.3%          | 99.5%            |
| SAU802290     | LMO100028       | 36%      | 22.1%          | 19.5%            |
| SAU802290     | MBV102006       | 55%      | 99.5%          | 99.7%            |
| SAU802290     | MTU201817       | 55%      | 99.5%          | 99.7%            |
| SAU802290     | PRT105539       | 61%      | 99.3%          | 72.4%            |
| SAU802290     | PAE204863       | 59%      | 99.5%          | 99.8%            |
| SAU802290     | PPU110642       | 59%      | 99.3%          | 99.5%            |
| SAU802290     | PSY100871       | 60%      | 99.5%          | 99.8%            |
| SAU802290     | SAU802290       | 100%     | 100%           | 100%             |
| SAU802290     | SEP200371       | 90%      | 100%           | 70.4%            |
| SAU802290     | UUR100437       | 57%      | 99.6%          | 99.8%            |
| SAU802290     | YPS001373       | 54%      | 99.1%          | 99.3%            |
| SAU802292     | ABA102930       | 22%      | 97.4%          | 59.2%            |
| SAU802292     | BPT101315       | 21%      | 65.9%          | 76.3%            |
| SAU802292     | BCE112587       | 23%      | 96.5%          | 96.5%            |
| SAU802292     | BFU110332       | 23%      | 96.5%          | 96.5%            |
| SAU802292     | BMA109613       | 25%      | 96.5%          | 56.0%            |
| SAU802292     | EBC101190       | 21%      | 97.4%          | 96.9%            |
| SAU802292     | ECO201401       | 19%      | 97.4%          | 96.9%            |
| SAU802292     | ECO205579       | 19%      | 97.4%          | 96.9%            |
| SAU802292     | HIN100516       | 22%      | 80.8%          | 97.4%            |
| SAU802292     | HPY100067       | 26%      | 96.5%          | 86.6%            |
| SAU802292     | KPN304125       | 20%      | 97.4%          | 96.9%            |
| SAU802292     | MBV102008       | 24%      | 47.6%          | 49.3%            |
| SAU802292     | MTU201818       | 24%      | 47.6%          | 49.3%            |
| SAU802292     | PRT104531       | 25%      | 81.2%          | 89.3%            |
| SAU802292     | PAE204887       | 26%      | 95.6%          | 96.4%            |
| SAU802292     | PPU110665       | 20%      | 97.4%          | 96.9%            |
| SAU802292     | PSY100980       | 20%      | 96.5%          | 97.3%            |
| SAU802292     | STY101858       | 35%      | 24.5%          | 37.3%            |
| SAU802292     | SAU802292       | 100%     | 100%           | 100%             |
| SAU802292     | SEP200375       | 76%      | 100%           | 100%             |
| SAU802292     | UUR100435       | 40%      | 97.4%          | 90%              |
| SAU802292     | YPS001379       | 23%      | 96.5%          | 96.5%            |
| SAU802293     | ABA102567       | 60%      | 97.5%          | 97.5%            |
| SAU802293     | BPT100743       | 61%      | 97.5%          | 93.0%            |
| SAU802293     | BCE100299       | 62%      | 96.6%          | 91.6%            |
| SAU802293     | BFU110334       | 62%      | 97.1%          | 91.2%            |
| SAU802293     | BMA101911       | 61%      | 96.6%          | 91.2%            |
| SAU802293     | CJU100584       | 30%      | 78.9%          | 61.1%            |
| SAU802293     | CBO101376       | 28%      | 90.2%          | 78.0%            |
| SAU802293     | CDP100866       | 31%      | 92.2%          | 71.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802293     | EBC101191       | 58%      | 94.1%          | 94.6%            |
| SAU802293     | ECO102667       | 27%      | 89.2%          | 59.3%            |
| SAU802293     | HIN100515       | 62%      | 99.5%          | 90.2%            |
| SAU802293     | HPY100066       | 61%      | 96.6%          | 99.0%            |
| SAU802293     | KPN304128       | 63%      | 97.1%          | 96.6%            |
| SAU802293     | LPN100384       | 30%      | 88.7%          | 67.9%            |
| SAU802293     | MBV102011       | 51%      | 98.0%          | 89.3%            |
| SAU802293     | MTU201819       | 51%      | 98.0%          | 89.3%            |
| SAU802293     | PRT102194       | 62%      | 93.6%          | 93.2%            |
| SAU802293     | PAE204888       | 58%      | 97.5%          | 97.5%            |
| SAU802293     | PPU110666       | 64%      | 93.6%          | 92.3%            |
| SAU802293     | PSY106880       | 57%      | 97.5%          | 97.1%            |
| SAU802293     | SPA101916       | 26%      | 89.2%          | 59.3%            |
| SAU802293     | STY102828       | 26%      | 89.2%          | 59.3%            |
| SAU802293     | STM103657       | 26%      | 89.2%          | 59.3%            |
| SAU802293     | SAU802293       | 100%     | 100%           | 100%             |
| SAU802293     | SEP200377       | 90%      | 100%           | 100%             |
| SAU802293     | UUR100434       | 71%      | 96.1%          | 95.6%            |
| SAU802293     | YPS001381       | 58%      | 95.1%          | 89.5%            |
| SAU802308     | BAN111346       | 23%      | 75.8%          | 96%              |
| SAU802308     | BAN104126       | 26%      | 68.8%          | 95.6%            |
| SAU802308     | BAN104809       | 28%      | 93.6%          | 92.5%            |
| SAU802308     | LMO101374       | 28%      | 96.2%          | 95.6%            |
| SAU802308     | SAU802308       | 100%     | 100%           | 100%             |
| SAU802308     | SHA101510       | 78%      | 100%           | 99.4%            |
| SAU802309     | ABA105410       | 27%      | 70.5%          | 78.5%            |
| SAU802309     | BAN111819       | 47%      | 98.6%          | 100%             |
| SAU802309     | BAN104504       | 48%      | 97.1%          | 98.0%            |
| SAU802309     | BAN108797       | 55%      | 98.6%          | 98.9%            |
| SAU802309     | BAN107861       | 56%      | 99.2%          | 99.5%            |
| SAU802309     | BFR102378       | 31%      | 7.2%           | 8.6%             |
| SAU802309     | BPT101897       | 29%      | 72.7%          | 94.8%            |
| SAU802309     | BCE100301       | 33%      | 86.3%          | 95.5%            |
| SAU802309     | BFU109099       | 33%      | 94.7%          | 91.4%            |
| SAU802309     | BMA102600       | 32%      | 99.1%          | 95.1%            |
| SAU802309     | CJU101426       | 27%      | 52.6%          | 58.4%            |
| SAU802309     | CAC102909       | 27%      | 20.4%          | 34.9%            |
| SAU802309     | CBO103110       | 26%      | 20.8%          | 36.6%            |
| SAU802309     | CDF102669       | 33%      | 53.9%          | 94.8%            |
| SAU802309     | EBC104465       | 34%      | 69.4%          | 96.4%            |
| SAU802309     | EFA202359       | 33%      | 95.2%          | 99.0%            |
| SAU802309     | ECO103973       | 35%      | 69.4%          | 96.2%            |
| SAU802309     | HIN101025       | 23%      | 49.8%          | 65.5%            |
| SAU802309     | HPY101249       | 22%      | 44.7%          | 46.1%            |
| SAU802309     | KPN300210       | 34%      | 8.1%           | 59.9%            |
| SAU802309     | KPN300277       | 25%      | 11.7%          | 93.5%            |
| SAU802309     | KPN300272       | 37%      | 14.4%          | 82.4%            |
| SAU802309     | KPN303260       | 32%      | 69.4%          | 96.2%            |
| SAU802309     | LPN103373       | 23%      | 76.1%          | 84.0%            |
| SAU802309     | LMO101763       | 54%      | 98.5%          | 97.1%            |
| SAU802309     | MCA101207       | 20%      | 83.2%          | 82.2%            |
| SAU802309     | MAV100466       | 29%      | 18.0%          | 93.3%            |
| SAU802309     | MAV103718       | 30%      | 20.1%          | 97.2%            |
| SAU802309     | MAV102918       | 30%      | 31.8%          | 32.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802309     | MAV102797       | 32%      | 48.8%          | 97.0%            |
| SAU802309     | MBV102300       | 27%      | 34.2%          | 44.8%            |
| SAU802309     | MTU202862       | 27%      | 34.2%          | 44.8%            |
| SAU802309     | NGO100650       | 23%      | 75.2%          | 82.1%            |
| SAU802309     | NME200010       | 23%      | 75.2%          | 82.1%            |
| SAU802309     | PMU101594       | 28%      | 69.2%          | 95.3%            |
| SAU802309     | PRT106150       | 34%      | 69.1%          | 95.0%            |
| SAU802309     | PAE201778       | 30%      | 69.4%          | 77.3%            |
| SAU802309     | PPU106426       | 34%      | 94.2%          | 94.3%            |
| SAU802309     | PSY105562       | 29%      | 68.9%          | 76.8%            |
| SAU802309     | SPA101768       | 35%      | 69.1%          | 100%             |
| SAU802309     | STY102346       | 35%      | 69.4%          | 96.2%            |
| SAU802309     | STM101130       | 22%      | 63.4%          | 84.5%            |
| SAU802309     | SAU802309       | 100%     | 100%           | 100%             |
| SAU802309     | SHA101509       | 84%      | 90.5%          | 100%             |
| SAU802309     | VCH103400       | 28%      | 66.8%          | 91.9%            |
| SAU802309     | YPS003389       | 33%      | 69.5%          | 96.2%            |
| SAU802310     | BAN106020       | 40%      | 96.2%          | 99.7%            |
| SAU802310     | BAN100582       | 40%      | 96.8%          | 99.0%            |
| SAU802310     | CAC101564       | 31%      | 93.7%          | 90.0%            |
| SAU802310     | CAC101142       | 32%      | 94.9%          | 93.2%            |
| SAU802310     | CBO100290       | 30%      | 98.4%          | 72.9%            |
| SAU802310     | CDP100702       | 36%      | 55.6%          | 39.7%            |
| SAU802310     | EFA200704       | 36%      | 97.1%          | 99.0%            |
| SAU802310     | EFM200695       | 38%      | 98.1%          | 97.5%            |
| SAU802310     | LMO102536       | 33%      | 99.4%          | 97.8%            |
| SAU802310     | MAV105446       | 29%      | 69.5%          | 35.9%            |
| SAU802310     | MBV101890       | 26%      | 58.4%          | 33.5%            |
| SAU802310     | MLP100452       | 30%      | 60.6%          | 47.2%            |
| SAU802310     | MTU200816       | 26%      | 58.4%          | 33.5%            |
| SAU802310     | SAU802310       | 100%     | 100%           | 100%             |
| SAU802310     | SEP200407       | 76%      | 99.7%          | 99.4%            |
| SAU802310     | SHA101993       | 49%      | 98.1%          | 98.7%            |
| SAU802310     | SMU100754       | 29%      | 93.0%          | 74.9%            |
| SAU802310     | SPN401757       | 29%      | 94.0%          | 90.2%            |
| SAU802310     | SPY201332       | 30%      | 97.1%          | 75%              |
| SAU802328     | ABA103559       | 40%      | 91.1%          | 91.4%            |
| SAU802328     | BAN100208       | 35%      | 98.0%          | 97.9%            |
| SAU802328     | BAN105602       | 43%      | 98.3%          | 99.3%            |
| SAU802328     | BCE104059       | 55%      | 47.1%          | 75.8%            |
| SAU802328     | BCE105925       | 52%      | 86.3%          | 100%             |
| SAU802328     | BFU103430       | 45%      | 97.3%          | 98.6%            |
| SAU802328     | BMA102007       | 42%      | 92.5%          | 94.4%            |
| SAU802328     | CAC103127       | 44%      | 96.9%          | 93.0%            |
| SAU802328     | CBO102575       | 42%      | 93.2%          | 92.5%            |
| SAU802328     | EBC103168       | 57%      | 96.2%          | 97.6%            |
| SAU802328     | EFA200150       | 50%      | 99.0%          | 97.6%            |
| SAU802328     | EFM200978       | 49%      | 98.6%          | 97.3%            |
| SAU802328     | ECO102937       | 60%      | 97.6%          | 97.3%            |
| SAU802328     | KPN305078       | 55%      | 94.2%          | 90.2%            |
| SAU802328     | LMO101848       | 60%      | 100%           | 99.7%            |
| SAU802328     | MAV106410       | 45%      | 67.9%          | 97.5%            |
| SAU802328     | PAE202140       | 40%      | 96.6%          | 97.9%            |
| SAU802328     | PPU105455       | 45%      | 96.6%          | 98.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802328     | PSY101078       | 46%      | 94.9%          | 96.5%            |
| SAU802328     | SPA103631       | 59%      | 97.3%          | 96.9%            |
| SAU802328     | STY100437       | 60%      | 97.3%          | 96.9%            |
| SAU802328     | STM101187       | 60%      | 97.3%          | 96.9%            |
| SAU802328     | SAU802328       | 100%     | 100%           | 100%             |
| SAU802328     | SEP200449       | 82%      | 100%           | 100%             |
| SAU802328     | SHA100524       | 84%      | 100%           | 100%             |
| SAU802331     | ABA105800       | 62%      | 98.6%          | 97.7%            |
| SAU802331     | BAN106204       | 54%      | 98.2%          | 98.9%            |
| SAU802331     | BAN105173       | 68%      | 98.4%          | 98.6%            |
| SAU802331     | BFR10261        | 34%      | 94.2%          | 81.8%            |
| SAU802331     | BCE104672       | 58%      | 58.2%          | 100%             |
| SAU802331     | BFU113421       | 61%      | 99.1%          | 97.5%            |
| SAU802331     | BMA109225       | 62%      | 99.1%          | 97.5%            |
| SAU802331     | EBC100807       | 58%      | 59.3%          | 100%             |
| SAU802331     | KPN301790       | 60%      | 98.4%          | 96.8%            |
| SAU802331     | LPN101472       | 60%      | 98.6%          | 98.2%            |
| SAU802331     | MCA101940       | 58%      | 98.7%          | 100%             |
| SAU802331     | PAE205095       | 62%      | 98.6%          | 97.5%            |
| SAU802331     | PPU106762       | 61%      | 98.6%          | 97.8%            |
| SAU802331     | PSY101331       | 62%      | 96.9%          | 94.4%            |
| SAU802331     | SPA101433       | 57%      | 98.2%          | 99.4%            |
| SAU802331     | STY102299       | 60%      | 98.4%          | 97.0%            |
| SAU802331     | STM101870       | 38%      | 9.9%           | 6.8%             |
| SAU802331     | SAU802331       | 100%     | 100%           | 100%             |
| SAU802331     | SPN400943       | 29%      | 11.6%          | 31.5%            |
| SAU802331     | SPY201590       | 36%      | 94.0%          | 79.9%            |
| SAU802331     | VCH101184       | 60%      | 98.9%          | 96.3%            |
| SAU802331     | YPS002693       | 60%      | 98.6%          | 96.8%            |
| SAU802332     | BPT100588       | 25%      | 97.6%          | 90.9%            |
| SAU802332     | BFU102473       | 22%      | 92.9%          | 91.4%            |
| SAU802332     | CBO102863       | 25%      | 97.3%          | 97.3%            |
| SAU802332     | EBC101843       | 25%      | 82.7%          | 82.5%            |
| SAU802332     | EFM102228       | 25%      | 78.6%          | 92.7%            |
| SAU802332     | ECO201939       | 26%      | 82.7%          | 82.3%            |
| SAU802332     | KPN307471       | 23%      | 94.9%          | 96.0%            |
| SAU802332     | MAV102104       | 23%      | 87.8%          | 81.9%            |
| SAU802332     | MBV105077       | 23%      | 79.3%          | 75.3%            |
| SAU802332     | MLP101570       | 23%      | 79.3%          | 76.8%            |
| SAU802332     | MTU200117       | 23%      | 79.3%          | 75.8%            |
| SAU802332     | PPU109373       | 29%      | 20.7%          | 20.5%            |
| SAU802332     | PPU101916       | 24%      | 92.5%          | 93.3%            |
| SAU802332     | PSY104413       | 24%      | 97.3%          | 94.2%            |
| SAU802332     | SPA103068       | 25%      | 80.6%          | 77.0%            |
| SAU802332     | STY104272       | 25%      | 80.6%          | 81.0%            |
| SAU802332     | STM101851       | 26%      | 81.0%          | 77.6%            |
| SAU802332     | SAU802332       | 100%     | 100%           | 100%             |
| SAU802333     | BAN111465       | 58%      | 98.6%          | 100%             |
| SAU802333     | BAN104289       | 58%      | 98.6%          | 100%             |
| SAU802333     | BAN108891       | 65%      | 99.3%          | 99.3%            |
| SAU802333     | BAN102504       | 64%      | 99.3%          | 100%             |
| SAU802333     | BCE105683       | 26%      | 78.4%          | 92.9%            |
| SAU802333     | BFU114968       | 32%      | 80.6%          | 20.6%            |
| SAU802333     | CBO102493       | 39%      | 51.1%          | 87.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802333     | EBC103002       | 34%      | 96.4%          | 92.9%            |
| SAU802333     | EFA201396       | 28%      | 79.1%          | 93.5%            |
| SAU802333     | EFM201766       | 28%      | 81.3%          | 96.7%            |
| SAU802333     | ECO100187       | 29%      | 83.5%          | 89.9%            |
| SAU802333     | HIN100307       | 30%      | 79.9%          | 88.9%            |
| SAU802333     | KPN302981       | 35%      | 93.5%          | 92.1%            |
| SAU802333     | LPN101860       | 46%      | 23.0%          | 61.5%            |
| SAU802333     | LMO101925       | 35%      | 93.5%          | 100%             |
| SAU802333     | NGO101565       | 26%      | 78.4%          | 87.4%            |
| SAU802333     | NME201984       | 27%      | 78.4%          | 85.5%            |
| SAU802333     | PRT100522       | 28%      | 84.2%          | 96.9%            |
| SAU802333     | PAE201128       | 35%      | 94.2%          | 93.3%            |
| SAU802333     | PPU108454       | 24%      | 82.0%          | 83.2%            |
| SAU802333     | SPA101410       | 27%      | 79.1%          | 88.1%            |
| SAU802333     | STY100607       | 27%      | 79.1%          | 88.1%            |
| SAU802333     | SAU802333       | 100%     | 100%           | 100%             |
| SAU802333     | SEP202219       | 62%      | 98.6%          | 96.5%            |
| SAU802333     | SMU101103       | 25%      | 79.1%          | 90%              |
| SAU802333     | SPN400864       | 24%      | 83.5%          | 85.3%            |
| SAU802333     | YPS002942       | 27%      | 79.1%          | 88.1%            |
| SAU802335     | CBO103499       | 20%      | 58.0%          | 68.6%            |
| SAU802335     | CDF103594       | 24%      | 43.2%          | 87.3%            |
| SAU802335     | SAU802335       | 100%     | 100%           | 100%             |
| SAU802335     | SEP200455       | 58%      | 100%           | 99.5%            |
| SAU802335     | SHA103355       | 56%      | 100%           | 99.7%            |
| SAU802341     | ABA100592       | 34%      | 72.6%          | 18.3%            |
| SAU802341     | BAN106164       | 42%      | 18.1%          | 53.5%            |
| SAU802341     | BAN101097       | 46%      | 98.0%          | 99.3%            |
| SAU802341     | BFR10398        | 27%      | 92.0%          | 97.2%            |
| SAU802341     | BPT100190       | 32%      | 70.2%          | 61.0%            |
| SAU802341     | BCE110810       | 30%      | 75.6%          | 91.9%            |
| SAU802341     | BFU103371       | 31%      | 70.2%          | 84.7%            |
| SAU802341     | BMA108770       | 30%      | 75.6%          | 91.9%            |
| SAU802341     | CJU100624       | 32%      | 78.3%          | 98.8%            |
| SAU802341     | CAC101062       | 27%      | 98.7%          | 98.4%            |
| SAU802341     | CAC101497       | 28%      | 99.3%          | 99.0%            |
| SAU802341     | CBO100997       | 30%      | 98.0%          | 97.4%            |
| SAU802341     | CDF103190       | 30%      | 97.0%          | 97.7%            |
| SAU802341     | CDP101422       | 32%      | 77.6%          | 85.3%            |
| SAU802341     | EBC103391       | 27%      | 99.3%          | 97.7%            |
| SAU802341     | EFA202336       | 42%      | 99.0%          | 99.3%            |
| SAU802341     | EFM200486       | 41%      | 99.3%          | 99.7%            |
| SAU802341     | ECO100770       | 31%      | 97.3%          | 4.8%             |
| SAU802341     | HPY100705       | 32%      | 71.9%          | 91.7%            |
| SAU802341     | KPN303592       | 30%      | 97.3%          | 4.8%             |
| SAU802341     | LMO100853       | 48%      | 98.7%          | 98.7%            |
| SAU802341     | MCA101024       | 30%      | 75.6%          | 95.9%            |
| SAU802341     | MAV103194       | 30%      | 96.0%          | 89.8%            |
| SAU802341     | MBV100156       | 30%      | 96.0%          | 90.7%            |
| SAU802341     | MTU201201       | 30%      | 96.0%          | 90.7%            |
| SAU802341     | MPN100502       | 28%      | 76.9%          | 72.1%            |
| SAU802341     | NGO101385       | 34%      | 72.9%          | 70.8%            |
| SAU802341     | NME200704       | 36%      | 66.2%          | 91.7%            |
| SAU802341     | PMU100171       | 29%      | 77.6%          | 98.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802341     | PRT103445       | 28%      | 75.6%          | 96.3%            |
| SAU802341     | PAE203670       | 31%      | 97.0%          | 97.4%            |
| SAU802341     | PAE204034       | 33%      | 71.6%          | 70.1%            |
| SAU802341     | PPU104145       | 29%      | 77.6%          | 98.8%            |
| SAU802341     | PSY100293       | 30%      | 77.6%          | 98.8%            |
| SAU802341     | SPA102971       | 29%      | 97.3%          | 5.0%             |
| SAU802341     | STM103062       | 26%      | 99.3%          | 97.7%            |
| SAU802341     | SAU802341       | 100%     | 100%           | 100%             |
| SAU802341     | SMU100271       | 35%      | 72.9%          | 75.2%            |
| SAU802341     | SPN401561       | 40%      | 96.3%          | 97.0%            |
| SAU802341     | SPY200545       | 29%      | 94.0%          | 93.2%            |
| SAU802341     | UUR100092       | 32%      | 70.2%          | 89.8%            |
| SAU802341     | VCH102491       | 32%      | 77.6%          | 98.8%            |
| SAU802346     | ABA104933       | 22%      | 51.6%          | 44.6%            |
| SAU802346     | BAN109344       | 42%      | 97.4%          | 100%             |
| SAU802346     | BAN107706       | 43%      | 97.4%          | 97.4%            |
| SAU802346     | BBU100683       | 27%      | 94.3%          | 92.8%            |
| SAU802346     | BCE111066       | 25%      | 23.5%          | 21.5%            |
| SAU802346     | BFU102030       | 29%      | 24.4%          | 20.5%            |
| SAU802346     | CBO101704       | 22%      | 88.3%          | 85.2%            |
| SAU802346     | CDF103639       | 24%      | 46.1%          | 41.8%            |
| SAU802346     | EBC103192       | 22%      | 49.3%          | 43.0%            |
| SAU802346     | EFA200385       | 46%      | 96.6%          | 97.4%            |
| SAU802346     | EFM202514       | 45%      | 96.8%          | 95.5%            |
| SAU802346     | ECO103527       | 24%      | 49.3%          | 41.2%            |
| SAU802346     | HIN101704       | 24%      | 42.7%          | 34.1%            |
| SAU802346     | KPN305761       | 21%      | 53.6%          | 45.2%            |
| SAU802346     | LPN100706       | 36%      | 36.7%          | 70.6%            |
| SAU802346     | LPN100340       | 32%      | 92.6%          | 97.4%            |
| SAU802346     | LMO101142       | 43%      | 98.6%          | 96.6%            |
| SAU802346     | MCA101122       | 26%      | 35.0%          | 26.1%            |
| SAU802346     | MAV101346       | 30%      | 86.5%          | 91.6%            |
| SAU802346     | MBV104099       | 24%      | 36.4%          | 28.0%            |
| SAU802346     | MTU200691       | 24%      | 36.4%          | 28.0%            |
| SAU802346     | NGO101059       | 25%      | 45.6%          | 35.6%            |
| SAU802346     | NME201451       | 25%      | 45.6%          | 35.6%            |
| SAU802346     | PMU100288       | 23%      | 31.8%          | 30.7%            |
| SAU802346     | PAE204767       | 22%      | 49.3%          | 42.8%            |
| SAU802346     | PPU108584       | 23%      | 49.3%          | 42.8%            |
| SAU802346     | STY100378       | 21%      | 49.3%          | 41.2%            |
| SAU802346     | STM104153       | 22%      | 49.3%          | 41.2%            |
| SAU802346     | SAU802346       | 100%     | 100%           | 100%             |
| SAU802346     | SEP200052       | 76%      | 99.7%          | 99.7%            |
| SAU802346     | SEP200853       | 76%      | 99.7%          | 99.7%            |
| SAU802346     | SHA102078       | 79%      | 100%           | 100%             |
| SAU802346     | SMU100940       | 40%      | 90.5%          | 94.0%            |
| SAU802346     | SPN400341       | 40%      | 90.5%          | 92.6%            |
| SAU802346     | SPY200654       | 42%      | 90.5%          | 94.5%            |
| SAU802346     | VCH103702       | 26%      | 33.8%          | 33.3%            |
| SAU802346     | YPS003024       | 24%      | 43.3%          | 34.6%            |
| SAU802359     | BAN112546       | 46%      | 98.2%          | 100%             |
| SAU802359     | BAN108719       | 49%      | 98.2%          | 97.8%            |
| SAU802359     | BMA108659       | 36%      | 99.5%          | 94.4%            |
| SAU802359     | CDP101457       | 42%      | 93.7%          | 91.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802359     | LMO101705       | 48%      | 100%           | 100%             |
| SAU802359     | SAU802359       | 100%     | 100%           | 100%             |
| SAU802359     | SEP200905       | 70%      | 99.1%          | 98.6%            |
| SAU802359     | SHA101961       | 68%      | 99.1%          | 99.1%            |
| SAU802360     | BFR101675       | 24%      | 30.2%          | 27.9%            |
| SAU802360     | BFR101280       | 28%      | 31.3%          | 34.9%            |
| SAU802360     | BFR105907       | 25%      | 28.2%          | 25%              |
| SAU802360     | BMA100570       | 24%      | 33.6%          | 32.0%            |
| SAU802360     | CDF100955       | 21%      | 98.9%          | 44.4%            |
| SAU802360     | CDF102346       | 19%      | 100%           | 99.2%            |
| SAU802360     | ECO101089       | 20%      | 44.7%          | 41.4%            |
| SAU802360     | MTU202526       | 18%      | 98.6%          | 98.6%            |
| SAU802360     | SAU802360       | 100%     | 100%           | 100%             |
| SAU802360     | SEP200907       | 53%      | 100%           | 100%             |
| SAU802360     | SHA102644       | 56%      | 100%           | 100%             |
| SAU802360     | VCH103501       | 30%      | 33.3%          | 15.2%            |
| SAU802365     | BAN104884       | 56%      | 93.5%          | 96.2%            |
| SAU802365     | BAN101178       | 62%      | 95.7%          | 98%              |
| SAU802365     | BCE112448       | 51%      | 91.4%          | 89.5%            |
| SAU802365     | CJU100361       | 24%      | 84.1%          | 92.4%            |
| SAU802365     | CDP100511       | 49%      | 95.9%          | 98.4%            |
| SAU802365     | EBC106483       | 48%      | 95.7%          | 89.8%            |
| SAU802365     | ECO102168       | 50%      | 91.8%          | 86.1%            |
| SAU802365     | HPY100084       | 23%      | 84.1%          | 91.3%            |
| SAU802365     | KPN301561       | 47%      | 96.1%          | 90.8%            |
| SAU802365     | MAV102823       | 46%      | 94.7%          | 96.4%            |
| SAU802365     | MBV100580       | 46%      | 94.1%          | 99.4%            |
| SAU802365     | MTU202814       | 47%      | 95.1%          | 98.6%            |
| SAU802365     | NGO100920       | 49%      | 94.7%          | 99.2%            |
| SAU802365     | NME200310       | 50%      | 94.7%          | 99.2%            |
| SAU802365     | PRT100644       | 49%      | 94.5%          | 97.2%            |
| SAU802365     | PAE203450       | 53%      | 94.5%          | 93.1%            |
| SAU802365     | PPU104014       | 51%      | 94.1%          | 96.0%            |
| SAU802365     | PSY100602       | 49%      | 94.5%          | 96.4%            |
| SAU802365     | SAU802365       | 100%     | 100%           | 100%             |
| SAU802365     | SEP200913       | 79%      | 96.3%          | 100%             |
| SAU802365     | SHA101955       | 77%      | 96.3%          | 100%             |
| SAU802365     | VCH102882       | 31%      | 10.6%          | 12.9%            |
| SAU802368     | SAU802368       | 100%     | 100%           | 100%             |
| SAU802368     | SEP200934       | 44%      | 99.5%          | 99.5%            |
| SAU802369     | BAN103259       | 36%      | 97.7%          | 97.1%            |
| SAU802369     | BAN112183       | 36%      | 97.7%          | 97.1%            |
| SAU802369     | BPT100938       | 43%      | 26.9%          | 28.6%            |
| SAU802369     | BCE107689       | 29%      | 97.1%          | 95.0%            |
| SAU802369     | BFU103812       | 35%      | 37.4%          | 36.8%            |
| SAU802369     | BMA103339       | 24%      | 60.2%          | 60.6%            |
| SAU802369     | EBC105348       | 22%      | 89.5%          | 89.4%            |
| SAU802369     | EFA202072       | 42%      | 98.8%          | 99.4%            |
| SAU802369     | EFM200209       | 35%      | 97.7%          | 96.5%            |
| SAU802369     | KPN303262       | 31%      | 98.2%          | 97.7%            |
| SAU802369     | LMO102096       | 40%      | 98.2%          | 100%             |
| SAU802369     | MAV105704       | 28%      | 93.6%          | 89.0%            |
| SAU802369     | MBV105099       | 26%      | 93.6%          | 98.1%            |
| SAU802369     | MTU202632       | 26%      | 93.6%          | 98.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802369     | NME200232       | 28%      | 43.3%          | 42.9%            |
| SAU802369     | PRT106021       | 25%      | 78.9%          | 79.1%            |
| SAU802369     | PPU108805       | 28%      | 48.0%          | 49.7%            |
| SAU802369     | PSY102532       | 24%      | 97.1%          | 94.3%            |
| SAU802369     | SPA102323       | 26%      | 67.8%          | 72.3%            |
| SAU802369     | STY103987       | 32%      | 46.8%          | 46.2%            |
| SAU802369     | SAU802369       | 100%     | 100%           | 100%             |
| SAU802369     | SEP202650       | 51%      | 97.7%          | 93.3%            |
| SAU802369     | SHA100368       | 52%      | 100%           | 100%             |
| SAU802369     | SMU100484       | 36%      | 97.7%          | 96.5%            |
| SAU802369     | SPN400508       | 36%      | 98.2%          | 99.4%            |
| SAU802369     | SPY101945       | 37%      | 93.0%          | 97.0%            |
| SAU802369     | VCH101321       | 34%      | 32.2%          | 34.8%            |
| SAU802369     | YPS000948       | 31%      | 46.8%          | 47.3%            |
| SAU802371     | BAN103862       | 34%      | 36.8%          | 32.2%            |
| SAU802371     | BFR102730       | 26%      | 59.4%          | 52.7%            |
| SAU802371     | BCE108880       | 26%      | 70.7%          | 61.2%            |
| SAU802371     | BFU115699       | 25%      | 65.4%          | 63.9%            |
| SAU802371     | CAC101368       | 28%      | 89.5%          | 86.4%            |
| SAU802371     | EBC104604       | 29%      | 39.8%          | 32.6%            |
| SAU802371     | KPN302220       | 43%      | 91.7%          | 86.3%            |
| SAU802371     | LMO101023       | 42%      | 94.7%          | 92.7%            |
| SAU802371     | PRT104530       | 29%      | 66.2%          | 28.2%            |
| SAU802371     | SAU802371       | 100%     | 100%           | 100%             |
| SAU802371     | SEP200943       | 68%      | 100%           | 100%             |
| SAU802371     | SHA101897       | 60%      | 100%           | 100%             |
| SAU802371     | SMU100213       | 38%      | 35.3%          | 26.1%            |
| SAU802371     | SPN400237       | 30%      | 49.6%          | 47.8%            |
| SAU802372     | BAN103594       | 38%      | 32.9%          | 85.8%            |
| SAU802372     | BAN100580       | 37%      | 63.1%          | 98.6%            |
| SAU802372     | BAN108168       | 43%      | 99.1%          | 94.0%            |
| SAU802372     | BFU101355       | 27%      | 91.8%          | 85.6%            |
| SAU802372     | EFA200225       | 31%      | 93.1%          | 90.2%            |
| SAU802372     | EFM200250       | 32%      | 91.5%          | 89.5%            |
| SAU802372     | LMO102184       | 33%      | 96.1%          | 94.3%            |
| SAU802372     | SAU802372       | 100%     | 100%           | 100%             |
| SAU802372     | SHA101896       | 68%      | 99.7%          | 96.2%            |
| SAU802372     | SMU100809       | 34%      | 91.8%          | 90.4%            |
| SAU802372     | SPN401420       | 32%      | 93.1%          | 92.9%            |
| SAU802372     | SPY200633       | 34%      | 91.8%          | 90.9%            |
| SAU802378     | PRT102873       | 30%      | 41.8%          | 29.1%            |
| SAU802378     | SAU802378       | 100%     | 100%           | 100%             |
| SAU802378     | SEP200955       | 54%      | 65.2%          | 82.4%            |
| SAU802378     | SHA100322       | 56%      | 65.2%          | 83.1%            |
| SAU802378     | SPY200567       | 35%      | 50.6%          | 65.6%            |
| SAU802389     | BAN103843       | 25%      | 58.9%          | 77.4%            |
| SAU802389     | BAN108506       | 23%      | 68.1%          | 74.8%            |
| SAU802389     | CDF101015       | 40%      | 98.4%          | 95%              |
| SAU802389     | SAU802389       | 100%     | 100%           | 100%             |
| SAU802389     | SEP100573       | 38%      | 15.1%          | 50%              |
| SAU802389     | SMU101334       | 42%      | 97.4%          | 97.7%            |
| SAU802389     | UUR100585       | 22%      | 79.6%          | 44.1%            |
| SAU802390     | ABA100515       | 30%      | 38.2%          | 92.2%            |
| SAU802390     | BAN111977       | 22%      | 93.5%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802390     | BAN110775       | 23%      | 93.5%          | 96.3%            |
| SAU802390     | BPT104469       | 25%      | 39.0%          | 71.5%            |
| SAU802390     | BCE109138       | 32%      | 37.0%          | 44.2%            |
| SAU802390     | BMA105986       | 34%      | 37.0%          | 63.9%            |
| SAU802390     | CAC101199       | 26%      | 93.5%          | 97.9%            |
| SAU802390     | CBO101857       | 24%      | 95.9%          | 98.8%            |
| SAU802390     | CDF102948       | 27%      | 58.5%          | 55.3%            |
| SAU802390     | CDF101305       | 33%      | 46.3%          | 41.6%            |
| SAU802390     | CDF102920       | 26%      | 93.1%          | 96.4%            |
| SAU802390     | CDP101417       | 21%      | 92.7%          | 94.1%            |
| SAU802390     | EBC101808       | 30%      | 40.7%          | 97.1%            |
| SAU802390     | EFA201158       | 26%      | 95.5%          | 98.4%            |
| SAU802390     | EFM202323       | 24%      | 93.1%          | 97.6%            |
| SAU802390     | KPN307759       | 31%      | 37.0%          | 93.9%            |
| SAU802390     | LMO101047       | 25%      | 94.7%          | 98.8%            |
| SAU802390     | MAV100400       | 29%      | 40.2%          | 33.1%            |
| SAU802390     | PRT100890       | 31%      | 38.6%          | 94.1%            |
| SAU802390     | PPU110548       | 26%      | 46.7%          | 89.8%            |
| SAU802390     | STM103457       | 28%      | 38.2%          | 90.9%            |
| SAU802390     | SAU802390       | 100%     | 100%           | 100%             |
| SAU802390     | SEP200173       | 33%      | 96.3%          | 98.8%            |
| SAU802390     | SHA101547       | 30%      | 94.7%          | 95.4%            |
| SAU802390     | SMU101335       | 41%      | 95.1%          | 98.4%            |
| SAU802390     | SPN400649       | 30%      | 47.6%          | 56.4%            |
| SAU802390     | VCH100958       | 24%      | 40.7%          | 77.0%            |
| SAU802390     | YPS003904       | 24%      | 52.0%          | 45.5%            |
| SAU802397     | BAN101011       | 45%      | 99.0%          | 99.3%            |
| SAU802397     | BAN102461       | 58%      | 99.6%          | 99.1%            |
| SAU802397     | BMA109820       | 49%      | 98.9%          | 92.5%            |
| SAU802397     | CDP101676       | 60%      | 26.0%          | 97.0%            |
| SAU802397     | EBC101930       | 47%      | 57.4%          | 98.3%            |
| SAU802397     | ECO101197       | 49%      | 99.3%          | 98.2%            |
| SAU802397     | KPN305068       | 48%      | 99.4%          | 98.3%            |
| SAU802397     | MCA101683       | 49%      | 99.5%          | 98.2%            |
| SAU802397     | MAV100250       | 49%      | 98.9%          | 95.3%            |
| SAU802397     | MBV101452       | 49%      | 98.9%          | 98.1%            |
| SAU802397     | MTU201146       | 49%      | 98.9%          | 98.1%            |
| SAU802397     | PRT105206       | 49%      | 97.9%          | 96.5%            |
| SAU802397     | PAE203872       | 49%      | 99.6%          | 97.9%            |
| SAU802397     | SPA102910       | 47%      | 52.2%          | 100%             |
| SAU802397     | STY102963       | 50%      | 98.7%          | 97.5%            |
| SAU802397     | STM100368       | 49%      | 98.0%          | 96.9%            |
| SAU802397     | SAU802397       | 100%     | 100%           | 100%             |
| SAU802397     | SEP202550       | 86%      | 100%           | 100%             |
| SAU802397     | SHA101605       | 86%      | 100%           | 100%             |
| SAU802398     | ABA103247       | 41%      | 73.5%          | 52.3%            |
| SAU802398     | BAN106629       | 40%      | 73.8%          | 75.5%            |
| SAU802398     | BAN112655       | 41%      | 73.8%          | 50.6%            |
| SAU802398     | BFR12474        | 22%      | 74.5%          | 39.6%            |
| SAU802398     | BPT100993       | 36%      | 73.5%          | 48.7%            |
| SAU802398     | BCE103181       | 34%      | 74.5%          | 98.8%            |
| SAU802398     | BFU106371       | 39%      | 71.1%          | 91.6%            |
| SAU802398     | BMA101721       | 38%      | 71.7%          | 83.1%            |
| SAU802398     | CAC103696       | 37%      | 73.8%          | 48.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802398     | CBO100144       | 36%      | 73.5%          | 49.0%            |
| SAU802398     | CDF102901       | 38%      | 83.1%          | 54.4%            |
| SAU802398     | CDP100485       | 40%      | 64.9%          | 98.6%            |
| SAU802398     | EBC103863       | 36%      | 76.3%          | 53.6%            |
| SAU802398     | ECO103291       | 37%      | 76.3%          | 53.6%            |
| SAU802398     | KPN306621       | 38%      | 71.7%          | 49.0%            |
| SAU802398     | LMO101561       | 35%      | 85.5%          | 56.8%            |
| SAU802398     | MCA103517       | 38%      | 72.3%          | 52.3%            |
| SAU802398     | MAV102832       | 34%      | 72.3%          | 59.1%            |
| SAU802398     | MBV103227       | 34%      | 72%            | 58.3%            |
| SAU802398     | MTU202809       | 34%      | 72%            | 58.3%            |
| SAU802398     | NME201254       | 38%      | 77.8%          | 53.1%            |
| SAU802398     | PRT104849       | 36%      | 73.5%          | 51.3%            |
| SAU802398     | PAE202609       | 41%      | 71.7%          | 50.1%            |
| SAU802398     | PPU100873       | 41%      | 72.9%          | 51.2%            |
| SAU802398     | PSY104166       | 41%      | 73.8%          | 51.7%            |
| SAU802398     | SPA103180       | 35%      | 76.3%          | 53.6%            |
| SAU802398     | STY101423       | 35%      | 76.3%          | 53.6%            |
| SAU802398     | STM102832       | 36%      | 76.3%          | 53.6%            |
| SAU802398     | SAU802398       | 100%     | 100%           | 100%             |
| SAU802398     | SEP201014       | 60%      | 94.2%          | 97.7%            |
| SAU802398     | SHA101604       | 59%      | 96.3%          | 99.7%            |
| SAU802398     | SPY100086       | 33%      | 38.8%          | 40.9%            |
| SAU802398     | VCH102524       | 38%      | 71.7%          | 77.3%            |
| SAU802398     | YPS000102       | 37%      | 78.5%          | 53.6%            |
| SAU802399     | ABA103234       | 36%      | 80.8%          | 83.2%            |
| SAU802399     | BAN109784       | 56%      | 98.1%          | 82.9%            |
| SAU802399     | BAN101731       | 56%      | 98.1%          | 86.4%            |
| SAU802399     | BPT100852       | 27%      | 94.2%          | 95.1%            |
| SAU802399     | BCE102364       | 37%      | 60.6%          | 59.3%            |
| SAU802399     | BMA104059       | 41%      | 94.2%          | 63.6%            |
| SAU802399     | EBC103872       | 29%      | 92.3%          | 94.4%            |
| SAU802399     | ECO103289       | 31%      | 90.4%          | 92.6%            |
| SAU802399     | KPN303056       | 35%      | 75%            | 72.9%            |
| SAU802399     | LPN102471       | 32%      | 52.9%          | 47.0%            |
| SAU802399     | MAV106074       | 31%      | 90.4%          | 81.0%            |
| SAU802399     | MBV100699       | 68%      | 18.3%          | 6.2%             |
| SAU802399     | MTU203475       | 40%      | 42.3%          | 11.4%            |
| SAU802399     | PAE201779       | 36%      | 94.2%          | 90.7%            |
| SAU802399     | PSY107850       | 41%      | 30.8%          | 43.6%            |
| SAU802399     | SAU802399       | 100%     | 100%           | 100%             |
| SAU802399     | SEP201015       | 69%      | 100%           | 100%             |
| SAU802399     | SHA101603       | 76%      | 100%           | 100%             |
| SAU802399     | YPS000211       | 28%      | 92.3%          | 90.6%            |
| SAU802400     | ABA101297       | 35%      | 99.0%          | 94.9%            |
| SAU802400     | BAN105525       | 60%      | 21.7%          | 97.8%            |
| SAU802400     | BAN103462       | 47%      | 99.8%          | 100%             |
| SAU802400     | BAN107337       | 57%      | 77.7%          | 99.4%            |
| SAU802400     | BPT100841       | 31%      | 35.8%          | 68.6%            |
| SAU802400     | BCE101590       | 33%      | 70.4%          | 75.8%            |
| SAU802400     | BFU104746       | 33%      | 99.3%          | 93.3%            |
| SAU802400     | BMA109485       | 49%      | 97.8%          | 97.2%            |
| SAU802400     | CAC102162       | 30%      | 48.6%          | 97.1%            |
| SAU802400     | CBO101506       | 28%      | 45.8%          | 89.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802400     | CDF102934       | 28%      | 48.7%          | 45.6%            |
| SAU802400     | EBC103870       | 35%      | 99.0%          | 95.2%            |
| SAU802400     | ECO103288       | 35%      | 99.0%          | 95.2%            |
| SAU802400     | KPN300216       | 41%      | 12.2%          | 79.4%            |
| SAU802400     | KPN303469       | 33%      | 99.4%          | 97.1%            |
| SAU802400     | MCA101622       | 28%      | 41.4%          | 71.9%            |
| SAU802400     | MAV102348       | 33%      | 93.4%          | 91.2%            |
| SAU802400     | MBV104807       | 33%      | 97.8%          | 82.6%            |
| SAU802400     | MTU200251       | 33%      | 98.0%          | 93.4%            |
| SAU802400     | PRT105408       | 35%      | 99.4%          | 95.0%            |
| SAU802400     | PAE201780       | 48%      | 99.5%          | 98.8%            |
| SAU802400     | PPU107970       | 33%      | 94.6%          | 90.1%            |
| SAU802400     | PSY104967       | 34%      | 94.3%          | 79.7%            |
| SAU802400     | SPA103178       | 36%      | 39.0%          | 65.3%            |
| SAU802400     | STY101426       | 35%      | 99.5%          | 95.4%            |
| SAU802400     | STM102828       | 35%      | 99.0%          | 95.2%            |
| SAU802400     | SAU802400       | 100%     | 100%           | 100%             |
| SAU802400     | SEP201017       | 82%      | 100%           | 100%             |
| SAU802400     | SHA101602       | 84%      | 99.8%          | 100%             |
| SAU802400     | YPS001671       | 34%      | 99.4%          | 95.0%            |
| SAU802401     | BAN101769       | 25%      | 49.4%          | 73.3%            |
| SAU802401     | BAN106436       | 21%      | 88.1%          | 91.1%            |
| SAU802401     | BAN106118       | 20%      | 97.9%          | 95.2%            |
| SAU802401     | BAN109894       | 27%      | 96.7%          | 97.9%            |
| SAU802401     | BCE113179       | 19%      | 49.8%          | 96.9%            |
| SAU802401     | BFU104281       | 25%      | 42.0%          | 78.2%            |
| SAU802401     | BMA108024       | 20%      | 41.6%          | 80.5%            |
| SAU802401     | MAV101627       | 25%      | 85.2%          | 86.1%            |
| SAU802401     | SAU802401       | 100%     | 100%           | 100%             |
| SAU802401     | SEP201019       | 55%      | 98.4%          | 100%             |
| SAU802401     | SHA101601       | 49%      | 97.5%          | 98.7%            |
| SAU802401     | YPS002784       | 31%      | 33.3%          | 9.3%             |
| SAU802418     | LPN101927       | 20%      | 49.1%          | 32.6%            |
| SAU802418     | PSY104376       | 28%      | 21.0%          | 32.1%            |
| SAU802418     | SAU802418       | 100%     | 100%           | 100%             |
| SAU802418     | SAU800111       | 28%      | 37.9%          | 49.8%            |
| SAU802418     | VCH101393       | 28%      | 19.6%          | 14.9%            |
| SAU802419     | BAN101272       | 21%      | 87.1%          | 89.5%            |
| SAU802419     | BAN107130       | 21%      | 88.3%          | 89.9%            |
| SAU802419     | SAU801819       | 33%      | 89.0%          | 84.9%            |
| SAU802419     | SAU802421       | 29%      | 98.1%          | 95.4%            |
| SAU802419     | SAU802004       | 29%      | 92.2%          | 91.1%            |
| SAU802419     | SAU801163       | 25%      | 95.5%          | 96.9%            |
| SAU802419     | SAU802005       | 34%      | 87.4%          | 77.8%            |
| SAU802419     | SAU802420       | 67%      | 98.4%          | 99.0%            |
| SAU802419     | SAU801820       | 70%      | 98.4%          | 99.0%            |
| SAU802419     | SAU802419       | 100%     | 100%           | 100%             |
| SAU802425     | ABA100387       | 33%      | 89.9%          | 91.8%            |
| SAU802425     | BAN102051       | 49%      | 94.3%          | 96.9%            |
| SAU802425     | BAN104523       | 52%      | 94.3%          | 95.2%            |
| SAU802425     | BPT101142       | 33%      | 87.5%          | 87.4%            |
| SAU802425     | BCE111317       | 34%      | 82.1%          | 78.5%            |
| SAU802425     | BFU107999       | 31%      | 95.2%          | 87.6%            |
| SAU802425     | BMA105033       | 33%      | 88.7%          | 87.9%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802425     | CJU101589       | 33%      | 80.3%          | 97.1%            |
| SAU802425     | CPN200793       | 31%      | 89.3%          | 90.9%            |
| SAU802425     | CAC101689       | 37%      | 94.3%          | 97.3%            |
| SAU802425     | CBO100552       | 37%      | 93.4%          | 97.5%            |
| SAU802425     | CDF101504       | 38%      | 94.6%          | 98.5%            |
| SAU802425     | CDP101447       | 34%      | 93.4%          | 94.9%            |
| SAU802425     | EBC101268       | 33%      | 85.1%          | 86.8%            |
| SAU802425     | ECO100751       | 33%      | 85.1%          | 83.5%            |
| SAU802425     | HIN101001       | 30%      | 85.7%          | 86.5%            |
| SAU802425     | HPY101386       | 30%      | 80.3%          | 96.8%            |
| SAU802425     | KPN301793       | 33%      | 89.0%          | 87.3%            |
| SAU802425     | LPN101546       | 35%      | 84.8%          | 90.3%            |
| SAU802425     | MCA102956       | 34%      | 90.1%          | 89.3%            |
| SAU802425     | MAV100547       | 33%      | 92.2%          | 79.9%            |
| SAU802425     | MBV101758       | 32%      | 92.2%          | 85.2%            |
| SAU802425     | MLP100755       | 33%      | 92.2%          | 89.9%            |
| SAU802425     | MTU201568       | 32%      | 92.2%          | 89.1%            |
| SAU802425     | NGO100345       | 29%      | 80.3%          | 77.4%            |
| SAU802425     | NME201245       | 30%      | 82.1%          | 79.4%            |
| SAU802425     | PMU100379       | 31%      | 88.4%          | 88.7%            |
| SAU802425     | PRT105537       | 33%      | 85.1%          | 83.8%            |
| SAU802425     | PAE200499       | 31%      | 90.7%          | 86.4%            |
| SAU802425     | PPU105080       | 33%      | 83.3%          | 79.8%            |
| SAU802425     | PSY103312       | 33%      | 83.6%          | 80.1%            |
| SAU802425     | SPA100245       | 33%      | 71.3%          | 92.7%            |
| SAU802425     | STY102313       | 34%      | 85.1%          | 83.5%            |
| SAU802425     | STM102072       | 34%      | 85.1%          | 83.5%            |
| SAU802425     | SAU802425       | 100%     | 100%           | 100%             |
| SAU802425     | SEP202217       | 77%      | 94.9%          | 99.1%            |
| SAU802425     | SHA101398       | 76%      | 94.9%          | 99.1%            |
| SAU802425     | VCH101093       | 33%      | 83.9%          | 80.9%            |
| SAU802425     | YPS002123       | 31%      | 85.1%          | 83.8%            |
| SAU802426     | ABA100566       | 35%      | 94.5%          | 95.5%            |
| SAU802426     | BAN105329       | 49%      | 97.3%          | 100%             |
| SAU802426     | BAN100374       | 50%      | 99.1%          | 97.2%            |
| SAU802426     | BFR105798       | 33%      | 96.9%          | 55.9%            |
| SAU802426     | BPT100802       | 34%      | 92.0%          | 97.4%            |
| SAU802426     | BBU100339       | 31%      | 10.4%          | 17.5%            |
| SAU802426     | BCE102714       | 33%      | 94.7%          | 93.3%            |
| SAU802426     | BCE101562       | 34%      | 93.4%          | 95.3%            |
| SAU802426     | BFU107996       | 33%      | 92.7%          | 91.4%            |
| SAU802426     | BMA105498       | 36%      | 83.2%          | 80.2%            |
| SAU802426     | CJU100276       | 35%      | 96.9%          | 99.1%            |
| SAU802426     | CPN200796       | 35%      | 93.8%          | 94.8%            |
| SAU802426     | CAC103102       | 39%      | 98.5%          | 99.8%            |
| SAU802426     | CDP101053       | 30%      | 97.8%          | 96.3%            |
| SAU802426     | ECO100750       | 32%      | 96.5%          | 96.7%            |
| SAU802426     | HIN101523       | 33%      | 95.6%          | 95.8%            |
| SAU802426     | HPY100960       | 36%      | 96.7%          | 97.0%            |
| SAU802426     | KPN301795       | 32%      | 96.5%          | 95.4%            |
| SAU802426     | MCA100377       | 35%      | 96.0%          | 94.1%            |
| SAU802426     | MAV103992       | 34%      | 92.9%          | 87.7%            |
| SAU802426     | MBV102582       | 32%      | 92.9%          | 91.5%            |
| SAU802426     | MLP100752       | 34%      | 83.8%          | 84.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802426     | MTU201547       | 32%      | 92.9%          | 91.5%            |
| SAU802426     | NGO101913       | 35%      | 88.1%          | 93.1%            |
| SAU802426     | NME200866       | 35%      | 92.9%          | 92.4%            |
| SAU802426     | PMU101900       | 33%      | 95.8%          | 88.2%            |
| SAU802426     | PRT101762       | 35%      | 96.2%          | 97.4%            |
| SAU802426     | PAE200419       | 39%      | 96.5%          | 93.4%            |
| SAU802426     | PPU109348       | 37%      | 98.2%          | 83.1%            |
| SAU802426     | PSY103605       | 37%      | 98.2%          | 94.9%            |
| SAU802426     | STY102312       | 33%      | 96.5%          | 96.7%            |
| SAU802426     | SAU802426       | 100%     | 100%           | 100%             |
| SAU802426     | SEP200097       | 76%      | 99.8%          | 100%             |
| SAU802426     | VCH101092       | 33%      | 96.2%          | 96.7%            |
| SAU802426     | YPS002121       | 36%      | 91.6%          | 93.1%            |
| SAU802439     | BCE107747       | 30%      | 77.0%          | 98.2%            |
| SAU802439     | CAC103752       | 23%      | 19.5%          | 31.6%            |
| SAU802439     | CBO102950       | 23%      | 64.9%          | 85.5%            |
| SAU802439     | CDP101057       | 24%      | 61.1%          | 75.2%            |
| SAU802439     | MBV101962       | 28%      | 60.7%          | 73.6%            |
| SAU802439     | MTU202253       | 28%      | 60.7%          | 73.6%            |
| SAU802439     | NGO101840       | 24%      | 44.9%          | 52.8%            |
| SAU802439     | SAU802439       | 100%     | 100%           | 100%             |
| SAU802439     | SHA101133       | 63%      | 99.3%          | 99.0%            |
| SAU802439     | SPN400573       | 25%      | 98.3%          | 96.3%            |
| SAU802439     | SPY101946       | 37%      | 28.5%          | 92.9%            |
| SAU802442     | BFU112290       | 35%      | 18.0%          | 17.2%            |
| SAU802442     | BFU101947       | 40%      | 22.3%          | 20.2%            |
| SAU802442     | EBC101408       | 25%      | 85.5%          | 85.0%            |
| SAU802442     | KPN302715       | 26%      | 56.2%          | 51.2%            |
| SAU802442     | LPN102898       | 25%      | 61.1%          | 36.1%            |
| SAU802442     | PRT102223       | 25%      | 86.2%          | 86.1%            |
| SAU802442     | SAU802442       | 100%     | 100%           | 100%             |
| SAU802442     | SHA102938       | 79%      | 100%           | 100%             |
| SAU802442     | VCH101669       | 25%      | 60.1%          | 61.2%            |
| SAU802444     | MGE100123       | 21%      | 24.2%          | 33.3%            |
| SAU802444     | SAU802444       | 100%     | 100%           | 100%             |
| SAU802444     | SEP201112       | 80%      | 100%           | 100%             |
| SAU802444     | SHA101626       | 68%      | 98.9%          | 98.9%            |
| SAU802448     | BFR102635       | 36%      | 85.4%          | 86.0%            |
| SAU802448     | BPT102384       | 34%      | 86.1%          | 83.6%            |
| SAU802448     | BCE102560       | 46%      | 72.0%          | 77.3%            |
| SAU802448     | BFU103281       | 42%      | 88.3%          | 90.8%            |
| SAU802448     | BMA103809       | 50%      | 55.4%          | 72.8%            |
| SAU802448     | CAC100655       | 43%      | 88.8%          | 96.6%            |
| SAU802448     | CBO102037       | 44%      | 88.8%          | 94.3%            |
| SAU802448     | CDF102723       | 47%      | 88.8%          | 96.6%            |
| SAU802448     | CDP101406       | 52%      | 58.5%          | 87.7%            |
| SAU802448     | EBC101184       | 41%      | 88.3%          | 97.9%            |
| SAU802448     | EFA200443       | 60%      | 93.9%          | 98.7%            |
| SAU802448     | EFM101077       | 34%      | 90%            | 98.2%            |
| SAU802448     | ECO102088       | 43%      | 73.2%          | 98.7%            |
| SAU802448     | KPN308726       | 40%      | 75.1%          | 99.0%            |
| SAU802448     | LMO100952       | 61%      | 94.9%          | 98.2%            |
| SAU802448     | MAV103175       | 38%      | 88.8%          | 98.1%            |
| SAU802448     | MBV105820       | 39%      | 88.0%          | 95.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802448     | MTU203703       | 39%      | 88.0%          | 95.2%            |
| SAU802448     | PRT102695       | 32%      | 84.4%          | 87.2%            |
| SAU802448     | PAE203888       | 40%      | 88.3%          | 94.1%            |
| SAU802448     | PPU103929       | 43%      | 87.8%          | 93.5%            |
| SAU802448     | PSY108132       | 43%      | 87.8%          | 93.5%            |
| SAU802448     | SPA101282       | 41%      | 73.2%          | 96.5%            |
| SAU802448     | STY104336       | 41%      | 88.3%          | 95.5%            |
| SAU802448     | STM103203       | 35%      | 84.4%          | 87%              |
| SAU802448     | SAU802448       | 100%     | 100%           | 100%             |
| SAU802448     | SEP201147       | 78%      | 98.8%          | 97.6%            |
| SAU802448     | SHA100819       | 76%      | 99.8%          | 86.4%            |
| SAU802448     | SMU101306       | 56%      | 91.0%          | 97.4%            |
| SAU802448     | SPY100277       | 34%      | 79.3%          | 98.3%            |
| SAU802448     | YPS000240       | 45%      | 73.2%          | 97.8%            |
| SAU802452     | ABA103825       | 24%      | 94.4%          | 90.3%            |
| SAU802452     | BAN112396       | 28%      | 25.6%          | 73.2%            |
| SAU802452     | BAN105354       | 34%      | 44.6%          | 95.1%            |
| SAU802452     | BAN111201       | 29%      | 90.6%          | 89.7%            |
| SAU802452     | BFR104989       | 19%      | 90.9%          | 90.8%            |
| SAU802452     | BPT100181       | 24%      | 93.7%          | 92.4%            |
| SAU802452     | BCE102642       | 28%      | 95.2%          | 88.5%            |
| SAU802452     | BFU108139       | 27%      | 89.1%          | 88.4%            |
| SAU802452     | BMA102629       | 27%      | 94.7%          | 93.8%            |
| SAU802452     | CJU101166       | 25%      | 98.7%          | 97.2%            |
| SAU802452     | CDP100795       | 20%      | 95.4%          | 88.3%            |
| SAU802452     | EBC101460       | 25%      | 85.3%          | 95.4%            |
| SAU802452     | EFA200778       | 28%      | 95.4%          | 93.7%            |
| SAU802452     | ECO101499       | 26%      | 94.9%          | 92.4%            |
| SAU802452     | HIN100128       | 24%      | 94.7%          | 92.7%            |
| SAU802452     | HPY101168       | 26%      | 97.0%          | 94.9%            |
| SAU802452     | KPN301059       | 26%      | 95.4%          | 94.4%            |
| SAU802452     | LPN100988       | 24%      | 89.4%          | 89.5%            |
| SAU802452     | LMO100724       | 26%      | 97.0%          | 97.4%            |
| SAU802452     | MAV104012       | 23%      | 90.9%          | 86.5%            |
| SAU802452     | MBV102693       | 21%      | 89.1%          | 89.3%            |
| SAU802452     | MTU200190       | 21%      | 93.4%          | 89.3%            |
| SAU802452     | NGO102033       | 20%      | 95.2%          | 99.2%            |
| SAU802452     | PMU100949       | 25%      | 94.9%          | 90.6%            |
| SAU802452     | PRT100064       | 26%      | 95.4%          | 82.5%            |
| SAU802452     | PAE203301       | 32%      | 91.4%          | 90.3%            |
| SAU802452     | PPU111526       | 25%      | 95.2%          | 95.6%            |
| SAU802452     | PSY101770       | 25%      | 95.2%          | 94.8%            |
| SAU802452     | SPA101640       | 26%      | 96.2%          | 96.4%            |
| SAU802452     | STY104274       | 26%      | 94.9%          | 92.4%            |
| SAU802452     | STM103712       | 26%      | 96.2%          | 95.4%            |
| SAU802452     | SAU802452       | 100%     | 100%           | 100%             |
| SAU802452     | SEP201161       | 77%      | 98.7%          | 99.5%            |
| SAU802452     | SHA101184       | 72%      | 98.7%          | 99.7%            |
| SAU802452     | YPS002886       | 29%      | 94.7%          | 94.8%            |
| SAU802459     | ABA104623       | 35%      | 97.1%          | 85.3%            |
| SAU802459     | BAN110218       | 39%      | 91.4%          | 94.1%            |
| SAU802459     | BAN106937       | 47%      | 96%            | 96.6%            |
| SAU802459     | BPT100094       | 34%      | 92.6%          | 79.8%            |
| SAU802459     | BCE110085       | 36%      | 96.2%          | 85.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802459     | BFU101558       | 35%      | 95.0%          | 86.9%            |
| SAU802459     | BMA107414       | 37%      | 95.0%          | 88.2%            |
| SAU802459     | CDF100518       | 31%      | 28.8%          | 86.1%            |
| SAU802459     | CDF103659       | 31%      | 64.6%          | 66.9%            |
| SAU802459     | LPN101703       | 36%      | 93.9%          | 87.2%            |
| SAU802459     | MCA101185       | 35%      | 98.5%          | 87.7%            |
| SAU802459     | PAE203600       | 36%      | 94.7%          | 86.2%            |
| SAU802459     | PPU110002       | 36%      | 93.0%          | 81.8%            |
| SAU802459     | SAU802459       | 100%     | 100%           | 100%             |
| SAU802459     | SEP200972       | 78%      | 100%           | 100%             |
| SAU802459     | SHA101719       | 75%      | 99.8%          | 99.6%            |
| SAU802464     | PRT104892       | 41%      | 97.0%          | 97.8%            |
| SAU802464     | SAU802464       | 100%     | 100%           | 100%             |
| SAU802464     | SEP200047       | 69%      | 98.9%          | 98.9%            |
| SAU802467     | ABA100843       | 20%      | 73.5%          | 75.7%            |
| SAU802467     | BAN108463       | 24%      | 64.8%          | 70%              |
| SAU802467     | BAN105979       | 26%      | 93.6%          | 93.1%            |
| SAU802467     | BPT102300       | 26%      | 79.9%          | 78.2%            |
| SAU802467     | BCE113024       | 27%      | 65.0%          | 72.8%            |
| SAU802467     | BFU100703       | 27%      | 94.4%          | 94.6%            |
| SAU802467     | BMA100152       | 25%      | 23.5%          | 45.6%            |
| SAU802467     | BMA105680       | 27%      | 72.6%          | 74.3%            |
| SAU802467     | CJU101490       | 27%      | 91.9%          | 93.2%            |
| SAU802467     | CBO100751       | 24%      | 96.1%          | 95.3%            |
| SAU802467     | CBO101097       | 23%      | 95.9%          | 95.1%            |
| SAU802467     | CBO101308       | 25%      | 92.7%          | 88.8%            |
| SAU802467     | CDF101830       | 20%      | 96.1%          | 95.4%            |
| SAU802467     | CDF101269       | 25%      | 91.0%          | 89.3%            |
| SAU802467     | CDP100600       | 27%      | 55.5%          | 51.7%            |
| SAU802467     | EBC100767       | 25%      | 95.3%          | 96.6%            |
| SAU802467     | ECO103399       | 34%      | 93.2%          | 94.3%            |
| SAU802467     | HIN100833       | 22%      | 93.2%          | 93.3%            |
| SAU802467     | HPY100294       | 25%      | 89.1%          | 87.1%            |
| SAU802467     | KPN300173       | 48%      | 16.0%          | 77.0%            |
| SAU802467     | KPN304736       | 31%      | 93.0%          | 94.4%            |
| SAU802467     | LPN103438       | 24%      | 59.2%          | 79.0%            |
| SAU802467     | LMO100125       | 23%      | 92.7%          | 92.0%            |
| SAU802467     | MAV103759       | 24%      | 77.3%          | 79.2%            |
| SAU802467     | MLP100689       | 20%      | 76.9%          | 78.1%            |
| SAU802467     | PMU100236       | 25%      | 96.4%          | 96.4%            |
| SAU802467     | PRT101741       | 41%      | 94.4%          | 95.0%            |
| SAU802467     | PAE204498       | 24%      | 94.7%          | 94.7%            |
| SAU802467     | PAE204494       | 25%      | 84.2%          | 84.5%            |
| SAU802467     | PPU106604       | 34%      | 93.0%          | 99.2%            |
| SAU802467     | PSY102116       | 26%      | 85.9%          | 84.7%            |
| SAU802467     | SPA102842       | 26%      | 90.2%          | 94.6%            |
| SAU802467     | STY100765       | 26%      | 95.3%          | 96.6%            |
| SAU802467     | SAU802467       | 100%     | 100%           | 100%             |
| SAU802467     | SEP200050       | 82%      | 100%           | 100%             |
| SAU802467     | SHA102504       | 27%      | 97.6%          | 96.7%            |
| SAU802467     | SHA102341       | 28%      | 95.7%          | 95.4%            |
| SAU802467     | SPY201537       | 27%      | 76.5%          | 74.4%            |
| SAU802467     | VCH100169       | 26%      | 75.4%          | 70.3%            |
| SAU802467     | YPS002641       | 26%      | 85.2%          | 85.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802468     | PAE204830       | 31%      | 96.5%          | 94.7%            |
| SAU802468     | SAU802468       | 100%     | 100%           | 100%             |
| SAU802468     | SEP200060       | 61%      | 98.4%          | 99.1%            |
| SAU802468     | YPS001170       | 29%      | 91.2%          | 91.7%            |
| SAU802469     | PAE204831       | 25%      | 84.6%          | 87.1%            |
| SAU802469     | SAU802469       | 100%     | 100%           | 100%             |
| SAU802469     | SEP200061       | 62%      | 99.3%          | 99.6%            |
| SAU802469     | YPS001169       | 28%      | 65.8%          | 67.9%            |
| SAU802472     | BFR11509        | 39%      | 90.8%          | 98.0%            |
| SAU802472     | BPT101439       | 41%      | 93.0%          | 98.8%            |
| SAU802472     | BFU103591       | 40%      | 93.0%          | 89.8%            |
| SAU802472     | CAC101364       | 36%      | 92.6%          | 94.8%            |
| SAU802472     | CDF100553       | 36%      | 92.3%          | 94.7%            |
| SAU802472     | EFA200981       | 37%      | 93.8%          | 95.9%            |
| SAU802472     | EFA201256       | 36%      | 93.0%          | 95.0%            |
| SAU802472     | EFM202362       | 37%      | 93.8%          | 95.9%            |
| SAU802472     | KPN103715       | 36%      | 91.5%          | 98.4%            |
| SAU802472     | MAV106724       | 36%      | 91.2%          | 95.7%            |
| SAU802472     | MBV102804       | 39%      | 93.4%          | 98.0%            |
| SAU802472     | MLP100673       | 29%      | 84.9%          | 83.0%            |
| SAU802472     | MTU201908       | 39%      | 93.4%          | 98.0%            |
| SAU802472     | PAE201648       | 39%      | 93.0%          | 98.8%            |
| SAU802472     | PPU101577       | 35%      | 94.9%          | 95.8%            |
| SAU802472     | SAU802472       | 100%     | 100%           | 100%             |
| SAU802472     | SEP200975       | 76%      | 99.3%          | 99.3%            |
| SAU802472     | SHA101724       | 77%      | 100%           | 100%             |
| SAU802472     | SPN400290       | 35%      | 92.6%          | 93.4%            |
| SAU802472     | SPY200457       | 35%      | 93.8%          | 97.0%            |
| SAU802472     | VCH101567       | 37%      | 93.4%          | 96.8%            |
| SAU802473     | BFR12135        | 33%      | 93.8%          | 98.8%            |
| SAU802473     | BPT101434       | 22%      | 72.9%          | 85.3%            |
| SAU802473     | CTR100501       | 44%      | 9.2%           | 7.8%             |
| SAU802473     | CDF101113       | 40%      | 97.5%          | 100%             |
| SAU802473     | CDF103684       | 41%      | 99.4%          | 98.6%            |
| SAU802473     | CDP101707       | 32%      | 88.7%          | 98.1%            |
| SAU802473     | EBC100434       | 33%      | 71.5%          | 91.4%            |
| SAU802473     | EFA201330       | 27%      | 27.0%          | 26.8%            |
| SAU802473     | ECO101307       | 35%      | 95.3%          | 94.9%            |
| SAU802473     | KPN304537       | 36%      | 95.3%          | 95.3%            |
| SAU802473     | MCA101881       | 37%      | 98.2%          | 94.0%            |
| SAU802473     | NGO100614       | 37%      | 97.1%          | 97.3%            |
| SAU802473     | NME201822       | 37%      | 97.1%          | 97.3%            |
| SAU802473     | PMU101104       | 37%      | 99.4%          | 98.9%            |
| SAU802473     | PRT100243       | 37%      | 97.3%          | 98.5%            |
| SAU802473     | SAU802473       | 100%     | 100%           | 100%             |
| SAU802473     | SHA101725       | 74%      | 99.4%          | 99.2%            |
| SAU802473     | SPY200100       | 23%      | 65.6%          | 68.3%            |
| SAU802473     | VCH100864       | 36%      | 99.2%          | 97.0%            |
| SAU802473     | YPS001074       | 31%      | 95.5%          | 95.2%            |
| SAU802481     | CBO103036       | 28%      | 47.0%          | 37.8%            |
| SAU802481     | SAU802486       | 82%      | 97.3%          | 100%             |
| SAU802481     | SAU802481       | 100%     | 100%           | 100%             |
| SAU802481     | SEP200591       | 74%      | 88.3%          | 98.7%            |
| SAU802481     | SEP200552       | 71%      | 97.7%          | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802481     | SEP200589       | 73%      | 98.1%          | 99.2%            |
| SAU802481     | SEP200598       | 60%      | 87.9%          | 99.1%            |
| SAU802481     | SEP200593       | 62%      | 87.5%          | 97.1%            |
| SAU802481     | SEP200083       | 59%      | 93.6%          | 99.6%            |
| SAU802481     | SEP200597       | 60%      | 97.7%          | 99.2%            |
| SAU802481     | SEP200616       | 60%      | 97.7%          | 99.6%            |
| SAU802481     | SEP200553       | 66%      | 97.0%          | 98.8%            |
| SAU802481     | SHA101524       | 83%      | 67.8%          | 98.4%            |
| SAU802488     | ABA100783       | 23%      | 17.9%          | 16.1%            |
| SAU802488     | ABA100144       | 24%      | 19.8%          | 17.3%            |
| SAU802488     | EBC102917       | 30%      | 19.8%          | 16.7%            |
| SAU802488     | ECO102143       | 32%      | 19.8%          | 16.7%            |
| SAU802488     | HPY101500       | 34%      | 52.2%          | 39.5%            |
| SAU802488     | HPY100585       | 21%      | 69.2%          | 34.5%            |
| SAU802488     | KPN301786       | 31%      | 20.6%          | 17.5%            |
| SAU802488     | PRT101141       | 36%      | 15.5%          | 13.1%            |
| SAU802488     | STY104333       | 31%      | 19.8%          | 16.7%            |
| SAU802488     | STM100155       | 31%      | 19.8%          | 16.7%            |
| SAU802488     | SAU802488       | 100%     | 100%           | 100%             |
| SAU802488     | SEP201002       | 64%      | 99.8%          | 52.0%            |
| SAU802488     | SPY101669       | 29%      | 20.4%          | 22.5%            |
| SAU802488     | YPS000334       | 33%      | 20.0%          | 16.1%            |
| SAU802491     | BAN105883       | 33%      | 91.6%          | 96.2%            |
| SAU802491     | BAN103235       | 39%      | 91.6%          | 96.5%            |
| SAU802491     | BFR101582       | 36%      | 90.7%          | 93.3%            |
| SAU802491     | BBU100834       | 32%      | 87.8%          | 92.3%            |
| SAU802491     | BFU111711       | 22%      | 84.2%          | 75.5%            |
| SAU802491     | BFU102625       | 22%      | 84.2%          | 85.9%            |
| SAU802491     | CPN200707       | 34%      | 85.2%          | 85.1%            |
| SAU802491     | CTR200560       | 33%      | 85.9%          | 86.0%            |
| SAU802491     | CAC102619       | 37%      | 89.4%          | 92.7%            |
| SAU802491     | CBO103621       | 39%      | 90.6%          | 93.9%            |
| SAU802491     | CDF104307       | 34%      | 92.6%          | 97.0%            |
| SAU802491     | CDF100956       | 35%      | 96.6%          | 95.5%            |
| SAU802491     | CDP101629       | 32%      | 88.2%          | 90%              |
| SAU802491     | EFA200367       | 40%      | 91.9%          | 96.7%            |
| SAU802491     | EFM101685       | 35%      | 93.1%          | 97.6%            |
| SAU802491     | HIN100721       | 32%      | 82.7%          | 94.2%            |
| SAU802491     | LMO102655       | 38%      | 91.6%          | 96.2%            |
| SAU802491     | MAV100233       | 28%      | 91.9%          | 96.2%            |
| SAU802491     | MBV100850       | 29%      | 90.7%          | 94.8%            |
| SAU802491     | MLP100433       | 28%      | 91.1%          | 94.6%            |
| SAU802491     | MTU203265       | 29%      | 90.7%          | 94.8%            |
| SAU802491     | MGE100053       | 29%      | 90.4%          | 94%              |
| SAU802491     | MPN100088       | 28%      | 86.1%          | 89.4%            |
| SAU802491     | PMU101074       | 33%      | 88.9%          | 89.8%            |
| SAU802491     | PRT100549       | 22%      | 84.2%          | 87.8%            |
| SAU802491     | PPU110293       | 23%      | 84.2%          | 88.3%            |
| SAU802491     | PSY105678       | 24%      | 87.7%          | 91.1%            |
| SAU802491     | STM101606       | 22%      | 84.6%          | 88.3%            |
| SAU802491     | SAU802491       | 100%     | 100%           | 100%             |
| SAU802491     | SEP201006       | 66%      | 93.1%          | 99.6%            |
| SAU802491     | SHA102495       | 55%      | 93.3%          | 99.3%            |
| SAU802491     | SMU100294       | 38%      | 88.0%          | 92.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802491     | SPN401350       | 36%      | 87.1%          | 91.6%            |
| SAU802491     | SPY200938       | 38%      | 88.0%          | 92.5%            |
| SAU802491     | TPA100634       | 33%      | 89.4%          | 92.5%            |
| SAU802491     | UUR100536       | 29%      | 88.2%          | 90.8%            |
| SAU802491     | VCH103757       | 33%      | 90.1%          | 93.7%            |
| SAU802496     | BMA100689       | 34%      | 8.4%           | 10.3%            |
| SAU802496     | CBO102378       | 29%      | 5.3%           | 29.8%            |
| SAU802496     | CDF100714       | 32%      | 10.1%          | 26.9%            |
| SAU802496     | CDF102419       | 29%      | 44.8%          | 45.1%            |
| SAU802496     | SAU802496       | 100%     | 100%           | 100%             |
| SAU802496     | SEP202577       | 60%      | 93.0%          | 4.9%             |
| SAU802496     | SHA102996       | 55%      | 71.4%          | 76.9%            |
| SAU802496     | SPN401042       | 23%      | 95.4%          | 20.8%            |
| SAU802496     | SPN400581       | 26%      | 83.4%          | 22.3%            |
| SAU802496     | SPY100688       | 30%      | 13.5%          | 21.7%            |
| SAU802496     | UUR100377       | 20%      | 56%            | 71.6%            |
| SAU802502     | ABA105088       | 40%      | 11.7%          | 31.9%            |
| SAU802502     | BAN109365       | 16%      | 27.4%          | 32.3%            |
| SAU802502     | BAN100965       | 21%      | 29.1%          | 17.2%            |
| SAU802502     | BAN111001       | 19%      | 23.2%          | 12.6%            |
| SAU802502     | BPT105763       | 30%      | 12.2%          | 37.3%            |
| SAU802502     | BPT105804       | 40%      | 5.2%           | 14.2%            |
| SAU802502     | BBU100545       | 16%      | 19.0%          | 70.6%            |
| SAU802502     | BCE111297       | 41%      | 13.5%          | 13.5%            |
| SAU802502     | BFU107405       | 42%      | 8.1%           | 53.4%            |
| SAU802502     | BMA109637       | 37%      | 6.1%           | 59.8%            |
| SAU802502     | CJU101536       | 29%      | 12.2%          | 50.7%            |
| SAU802502     | CPN200033       | 19%      | 22.1%          | 25.6%            |
| SAU802502     | CPN200268       | 39%      | 7.8%           | 8.9%             |
| SAU802502     | CTR200876       | 22%      | 8.8%           | 35.4%            |
| SAU802502     | CDF103752       | 27%      | 8.8%           | 56.4%            |
| SAU802502     | CDF102641       | 30%      | 38.5%          | 41.7%            |
| SAU802502     | CDP102558       | 27%      | 9.3%           | 7.8%             |
| SAU802502     | CDP101521       | 30%      | 8.9%           | 13.9%            |
| SAU802502     | EBC100323       | 28%      | 11.8%          | 45.4%            |
| SAU802502     | EFA201300       | 46%      | 9.9%           | 47.8%            |
| SAU802502     | EFA200083       | 45%      | 15.1%          | 90.2%            |
| SAU802502     | EFA202388       | 39%      | 18.2%          | 85.1%            |
| SAU802502     | EFA203524       | 21%      | 28.8%          | 44.4%            |
| SAU802502     | EFA200038       | 42%      | 64.3%          | 66.7%            |
| SAU802502     | EFM201584       | 29%      | 21.7%          | 36.8%            |
| SAU802502     | ECO102908       | 34%      | 5.8%           | 10.4%            |
| SAU802502     | ECO101223       | 36%      | 6.9%           | 23.4%            |
| SAU802502     | HPY101323       | 29%      | 13.4%          | 43.9%            |
| SAU802502     | HPY100575       | 31%      | 12.5%          | 31.5%            |
| SAU802502     | KPN201031       | 32%      | 11.8%          | 21.2%            |
| SAU802502     | LPN101461       | 21%      | 18.3%          | 52.1%            |
| SAU802502     | LMO101802       | 34%      | 15.1%          | 29.1%            |
| SAU802502     | LMO101963       | 29%      | 15.3%          | 35.8%            |
| SAU802502     | MCA102006       | 28%      | 4.7%           | 25.8%            |
| SAU802502     | MBV106185       | 38%      | 9.9%           | 24.2%            |
| SAU802502     | MLP100033       | 28%      | 11.1%          | 25.8%            |
| SAU802502     | MTU203821       | 33%      | 10.8%          | 9.5%             |
| SAU802502     | MTU203824       | 37%      | 10.3%          | 25.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802502     | MGE100323       | 22%      | 25.8%          | 53.4%            |
| SAU802502     | MPN100275       | 27%      | 88.8%          | 52.7%            |
| SAU802502     | MPN100388       | 29%      | 8.2%           | 55.8%            |
| SAU802502     | NGO100382       | 20%      | 17.2%          | 36.2%            |
| SAU802502     | NGO101515       | 20%      | 17.2%          | 50%              |
| SAU802502     | NGO100447       | 20%      | 17.2%          | 36.2%            |
| SAU802502     | NGO101440       | 20%      | 17.2%          | 36.2%            |
| SAU802502     | NGO101563       | 29%      | 13.4%          | 19.4%            |
| SAU802502     | NME201654       | 22%      | 17.3%          | 29.3%            |
| SAU802502     | NME200717       | 30%      | 8.4%           | 15.5%            |
| SAU802502     | PMU100098       | 28%      | 66.5%          | 29.9%            |
| SAU802502     | PRT100444       | 30%      | 5.7%           | 49.5%            |
| SAU802502     | PRT105010       | 39%      | 13.0%          | 38.3%            |
| SAU802502     | PAE203113       | 27%      | 10.0%          | 10.8%            |
| SAU802502     | PAE200196       | 41%      | 7.3%           | 39.6%            |
| SAU802502     | PPU102161       | 31%      | 8.9%           | 42.4%            |
| SAU802502     | PSY102683       | 33%      | 8.1%           | 6.7%             |
| SAU802502     | PSY104998       | 41%      | 11.2%          | 15.8%            |
| SAU802502     | SPA103530       | 23%      | 14.6%          | 48.9%            |
| SAU802502     | STY101188       | 24%      | 14.6%          | 49.1%            |
| SAU802502     | SAU800563       | 19%      | 99.4%          | 98.2%            |
| SAU802502     | SAU802630       | 21%      | 90.4%          | 65.7%            |
| SAU802502     | SAU800561       | 21%      | 99.4%          | 98.0%            |
| SAU802502     | SAU800811       | 22%      | 99.7%          | 99.4%            |
| SAU802502     | SAU802503       | 66%      | 100%           | 100%             |
| SAU802502     | SAU802502       | 100%     | 100%           | 100%             |
| SAU802502     | SEP200110       | 20%      | 96.6%          | 87.8%            |
| SAU802502     | SHA100540       | 23%      | 15.7%          | 88.6%            |
| SAU802502     | SHA102998       | 24%      | 18.9%          | 71.5%            |
| SAU802502     | SHA100562       | 23%      | 78.7%          | 84.7%            |
| SAU802502     | SMU100238       | 40%      | 14.6%          | 19.7%            |
| SAU802502     | SMU100747       | 22%      | 19.7%          | 29.2%            |
| SAU802502     | SMU100749       | 44%      | 6.5%           | 5.8%             |
| SAU802502     | SPN401402       | 39%      | 66.8%          | 88.1%            |
| SAU802502     | SPY201545       | 29%      | 62.2%          | 35.1%            |
| SAU802502     | TPA100365       | 33%      | 12.2%          | 17.4%            |
| SAU802502     | VCH100756       | 50%      | 2.3%           | 7.7%             |
| SAU802502     | YPS002256       | 39%      | 5.0%           | 22.1%            |
| SAU802503     | ABA105088       | 30%      | 11.0%          | 40.3%            |
| SAU802503     | BAN109365       | 16%      | 27.2%          | 34.7%            |
| SAU802503     | BAN111001       | 19%      | 74.9%          | 41.9%            |
| SAU802503     | BPT105763       | 24%      | 3.8%           | 23.5%            |
| SAU802503     | BPT105804       | 41%      | 13.4%          | 14.1%            |
| SAU802503     | BBU100545       | 25%      | 12.1%          | 45.8%            |
| SAU802503     | BCE111297       | 45%      | 13.3%          | 16.6%            |
| SAU802503     | BFU107405       | 45%      | 10.2%          | 78.4%            |
| SAU802503     | BMA109637       | 50%      | 2.6%           | 47.5%            |
| SAU802503     | CJU101103       | 22%      | 35.8%          | 64.9%            |
| SAU802503     | CPN200033       | 19%      | 17.5%          | 22.0%            |
| SAU802503     | CPN200268       | 34%      | 6.0%           | 8.5%             |
| SAU802503     | CTR200876       | 33%      | 13.4%          | 40.4%            |
| SAU802503     | CBO103272       | 23%      | 28.7%          | 56.4%            |
| SAU802503     | CDF103752       | 27%      | 13.1%          | 53.5%            |
| SAU802503     | CDF102641       | 29%      | 7.6%           | 12.8%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802503     | CDP101521       | 33%      | 11.9%          | 6.8%             |
| SAU802503     | EBC103874       | 27%      | 16.6%          | 39.4%            |
| SAU802503     | EBC100323       | 29%      | 7.4%           | 52.7%            |
| SAU802503     | EFA202388       | 52%      | 10.0%          | 47.9%            |
| SAU802503     | EFA200083       | 50%      | 14.3%          | 29.1%            |
| SAU802503     | EFA201300       | 48%      | 16.7%          | 89.6%            |
| SAU802503     | EFA200038       | 37%      | 59.2%          | 87.4%            |
| SAU802503     | EFM201584       | 28%      | 16.1%          | 49.4%            |
| SAU802503     | ECO102908       | 37%      | 8.2%           | 9.8%             |
| SAU802503     | ECO103311       | 24%      | 94.5%          | 35.7%            |
| SAU802503     | ECO101223       | 40%      | 7.9%           | 29.7%            |
| SAU802503     | HPY101323       | 32%      | 11.7%          | 53.0%            |
| SAU802503     | HPY100575       | 31%      | 14.4%          | 55.2%            |
| SAU802503     | KPN201031       | 24%      | 12.0%          | 39.9%            |
| SAU802503     | LPN101461       | 24%      | 12.8%          | 43.5%            |
| SAU802503     | LMO101963       | 31%      | 6.4%           | 27.1%            |
| SAU802503     | LMO101802       | 34%      | 15.7%          | 29.3%            |
| SAU802503     | MCA102006       | 40%      | 6.6%           | 26.1%            |
| SAU802503     | MBV106185       | 39%      | 10.3%          | 27.8%            |
| SAU802503     | MLP100033       | 28%      | 6.1%           | 23.5%            |
| SAU802503     | MTU203824       | 38%      | 9.5%           | 21.8%            |
| SAU802503     | MTU203821       | 37%      | 11.8%          | 50.6%            |
| SAU802503     | MGE100323       | 21%      | 21.9%          | 55.8%            |
| SAU802503     | MPN100275       | 23%      | 22.8%          | 15.5%            |
| SAU802503     | MPN100388       | 27%      | 12.0%          | 55.1%            |
| SAU802503     | NGO101440       | 20%      | 15.9%          | 36.2%            |
| SAU802503     | NGO101515       | 20%      | 15.9%          | 50%              |
| SAU802503     | NGO100447       | 20%      | 15.9%          | 36.2%            |
| SAU802503     | NGO100382       | 20%      | 15.9%          | 36.2%            |
| SAU802503     | NGO101563       | 28%      | 9.8%           | 17.0%            |
| SAU802503     | NME201654       | 22%      | 21.8%          | 36.7%            |
| SAU802503     | NME200717       | 31%      | 8.1%           | 13.7%            |
| SAU802503     | PMU100098       | 28%      | 92.6%          | 35.8%            |
| SAU802503     | PRT105010       | 36%      | 14.7%          | 38.3%            |
| SAU802503     | PRT100444       | 35%      | 6.0%           | 35.4%            |
| SAU802503     | PAE203113       | 25%      | 9.6%           | 10.9%            |
| SAU802503     | PAE200196       | 36%      | 6.3%           | 45.9%            |
| SAU802503     | PPU102161       | 33%      | 5.3%           | 40.3%            |
| SAU802503     | PSY108790       | 31%      | 6.9%           | 4.8%             |
| SAU802503     | PSY102683       | 43%      | 10.2%          | 6.7%             |
| SAU802503     | PSY104998       | 37%      | 11.4%          | 31.5%            |
| SAU802503     | SPA103530       | 22%      | 17.7%          | 47.7%            |
| SAU802503     | STY101188       | 22%      | 16.6%          | 52.1%            |
| SAU802503     | SAU802630       | 20%      | 99.3%          | 97.9%            |
| SAU802503     | SAU800561       | 21%      | 99.4%          | 98.0%            |
| SAU802503     | SAU800563       | 20%      | 99.4%          | 98.2%            |
| SAU802503     | SAU800811       | 22%      | 85.1%          | 96.7%            |
| SAU802503     | SAU802502       | 65%      | 100%           | 100%             |
| SAU802503     | SAU802503       | 100%     | 100%           | 100%             |
| SAU802503     | SEP200110       | 20%      | 95.6%          | 92.8%            |
| SAU802503     | SHA100540       | 21%      | 16.3%          | 85.1%            |
| SAU802503     | SHA100562       | 23%      | 17.3%          | 15.2%            |
| SAU802503     | SHA102998       | 23%      | 18.5%          | 71.8%            |
| SAU802503     | SMU100238       | 23%      | 19.0%          | 33.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802503     | SMU100747       | 21%      | 37.7%          | 61.4%            |
| SAU802503     | SMU100749       | 40%      | 14.5%          | 6.5%             |
| SAU802503     | SPN401402       | 39%      | 4.8%           | 4.0%             |
| SAU802503     | SPY201545       | 34%      | 13.5%          | 19.3%            |
| SAU802503     | TPA100365       | 35%      | 14.0%          | 17.4%            |
| SAU802503     | VCH100756       | 58%      | 5.7%           | 5.9%             |
| SAU802503     | YPS002256       | 38%      | 9.8%           | 5.9%             |
| SAU802506     | BAN112425       | 42%      | 97.9%          | 100%             |
| SAU802506     | BAN111510       | 60%      | 98.3%          | 98.8%            |
| SAU802506     | BFR11473        | 25%      | 74.9%          | 77.2%            |
| SAU802506     | BCE101565       | 30%      | 95.9%          | 96.6%            |
| SAU802506     | BFU100630       | 27%      | 89.9%          | 85.9%            |
| SAU802506     | BMA108610       | 28%      | 95.9%          | 98.1%            |
| SAU802506     | CAC102691       | 31%      | 97.7%          | 99.8%            |
| SAU802506     | CDF101648       | 31%      | 96.9%          | 97.3%            |
| SAU802506     | EBC104555       | 27%      | 95.2%          | 98.6%            |
| SAU802506     | EFA200809       | 39%      | 98.1%          | 99.6%            |
| SAU802506     | EFM202150       | 36%      | 98.5%          | 100%             |
| SAU802506     | ECO103486       | 25%      | 95.2%          | 98.6%            |
| SAU802506     | HIN101086       | 24%      | 87.6%          | 87.9%            |
| SAU802506     | KPN309070       | 26%      | 87.0%          | 90.1%            |
| SAU802506     | LMO101414       | 41%      | 98.1%          | 98.0%            |
| SAU802506     | PMU101371       | 25%      | 94.4%          | 98.6%            |
| SAU802506     | PRT101395       | 25%      | 94.4%          | 97.7%            |
| SAU802506     | STY100699       | 26%      | 95.2%          | 98.6%            |
| SAU802506     | STM104115       | 22%      | 93.6%          | 96.4%            |
| SAU802506     | SAU802506       | 100%     | 100%           | 100%             |
| SAU802506     | SEP201009       | 76%      | 99.2%          | 100%             |
| SAU802506     | SHA100834       | 81%      | 98.8%          | 99.8%            |
| SAU802506     | YPS000393       | 27%      | 97.7%          | 99.2%            |
| SAU802507     | ABA101570       | 30%      | 61.9%          | 56.1%            |
| SAU802507     | BAN111763       | 36%      | 85.8%          | 81.1%            |
| SAU802507     | BAN106500       | 46%      | 100%           | 93.0%            |
| SAU802507     | BPT103130       | 25%      | 83.6%          | 87.7%            |
| SAU802507     | BCE107345       | 29%      | 61.1%          | 57.7%            |
| SAU802507     | BFU100176       | 21%      | 88.5%          | 74.8%            |
| SAU802507     | BFU104257       | 27%      | 61.5%          | 52.8%            |
| SAU802507     | BFU103403       | 21%      | 88.1%          | 78.9%            |
| SAU802507     | CAC102025       | 23%      | 78.8%          | 81.5%            |
| SAU802507     | CDF104417       | 31%      | 64.2%          | 65.8%            |
| SAU802507     | CDF100440       | 27%      | 81.9%          | 76.1%            |
| SAU802507     | CDP100432       | 25%      | 81.9%          | 83.3%            |
| SAU802507     | EBC103251       | 22%      | 88.1%          | 85.5%            |
| SAU802507     | EFA200682       | 32%      | 31.9%          | 31.6%            |
| SAU802507     | ECO101511       | 22%      | 87.6%          | 85.1%            |
| SAU802507     | KPN306069       | 23%      | 87.6%          | 85.1%            |
| SAU802507     | MAV104574       | 32%      | 23.0%          | 21.2%            |
| SAU802507     | MAV103382       | 25%      | 66.4%          | 61.6%            |
| SAU802507     | MAV101336       | 24%      | 87.2%          | 84.1%            |
| SAU802507     | MBV102645       | 25%      | 57.5%          | 49.4%            |
| SAU802507     | MTU200164       | 25%      | 57.5%          | 49.6%            |
| SAU802507     | PRT100638       | 20%      | 92.5%          | 94.1%            |
| SAU802507     | PAE200796       | 21%      | 93.4%          | 87.5%            |
| SAU802507     | PPU106554       | 26%      | 63.3%          | 66.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802507     | PSY105573       | 22%      | 84.5%          | 78.5%            |
| SAU802507     | SPA101683       | 21%      | 79.6%          | 60.2%            |
| SAU802507     | STY104298       | 22%      | 88.1%          | 85.5%            |
| SAU802507     | STM104445       | 21%      | 79.6%          | 60.2%            |
| SAU802507     | SAU802507       | 100%     | 100%           | 100%             |
| SAU802507     | SEP201029       | 73%      | 99.6%          | 99.6%            |
| SAU802507     | SHA100833       | 74%      | 98.2%          | 96.9%            |
| SAU802507     | SMU100140       | 23%      | 61.5%          | 61.1%            |
| SAU802507     | SPY102945       | 32%      | 21.7%          | 52.5%            |
| SAU802507     | VCH101315       | 25%      | 82.3%          | 92.3%            |
| SAU802507     | YPS003104       | 24%      | 54.4%          | 56.4%            |
| SAU802510     | BAN101366       | 23%      | 53.1%          | 26.2%            |
| SAU802510     | BMA100274       | 45%      | 21.6%          | 60.3%            |
| SAU802510     | CBO102568       | 26%      | 64.8%          | 13.5%            |
| SAU802510     | CBO100474       | 28%      | 78.4%          | 16.5%            |
| SAU802510     | EFA200549       | 40%      | 40.7%          | 44%              |
| SAU802510     | EFM100539       | 43%      | 40.7%          | 44.6%            |
| SAU802510     | LMO102593       | 50%      | 32.7%          | 91.4%            |
| SAU802510     | PAE201642       | 28%      | 73.5%          | 36.3%            |
| SAU802510     | SAU802510       | 100%     | 100%           | 100%             |
| SAU802510     | SEP201035       | 34%      | 84.6%          | 99.3%            |
| SAU802510     | SHA100027       | 51%      | 43.2%          | 63.1%            |
| SAU802511     | ABA101187       | 32%      | 25.0%          | 21.5%            |
| SAU802511     | BPT102628       | 28%      | 28.3%          | 30.1%            |
| SAU802511     | BCE107041       | 29%      | 25.0%          | 28.6%            |
| SAU802511     | BFU102753       | 24%      | 32.3%          | 21.7%            |
| SAU802511     | BMA106189       | 21%      | 72.7%          | 66.9%            |
| SAU802511     | CJU100519       | 28%      | 29.0%          | 8.0%             |
| SAU802511     | EBC103859       | 24%      | 43.3%          | 75.1%            |
| SAU802511     | EFA200764       | 23%      | 28.2%          | 49.1%            |
| SAU802511     | EFA200374       | 31%      | 26.9%          | 46.2%            |
| SAU802511     | ECO103281       | 23%      | 92.6%          | 85.6%            |
| SAU802511     | HIN101645       | 21%      | 93.9%          | 85.8%            |
| SAU802511     | KPN301327       | 21%      | 92.6%          | 86.1%            |
| SAU802511     | LPN101554       | 19%      | 43.7%          | 77.7%            |
| SAU802511     | LPN103586       | 22%      | 39.7%          | 88.8%            |
| SAU802511     | MCA100529       | 35%      | 8.9%           | 15.0%            |
| SAU802511     | MAV101852       | 23%      | 27.3%          | 21.9%            |
| SAU802511     | NGO101970       | 21%      | 65.2%          | 63.7%            |
| SAU802511     | NME200209       | 20%      | 66.7%          | 64.4%            |
| SAU802511     | PMU100392       | 21%      | 90.1%          | 84.2%            |
| SAU802511     | PRT101407       | 24%      | 51.7%          | 44.9%            |
| SAU802511     | PAE203303       | 21%      | 20.4%          | 19.4%            |
| SAU802511     | PAE201269       | 20%      | 23.4%          | 21.6%            |
| SAU802511     | PPU109268       | 24%      | 33.1%          | 29.4%            |
| SAU802511     | PSY101807       | 21%      | 22.9%          | 21.1%            |
| SAU802511     | SPA103296       | 23%      | 52.4%          | 48.6%            |
| SAU802511     | STY103605       | 29%      | 24.4%          | 20.2%            |
| SAU802511     | STM102815       | 22%      | 98.2%          | 91.9%            |
| SAU802511     | SAU802511       | 100%     | 100%           | 100%             |
| SAU802511     | SEP201036       | 61%      | 99.3%          | 94.8%            |
| SAU802511     | SHA101790       | 61%      | 85.7%          | 98.3%            |
| SAU802511     | VCH103439       | 27%      | 28.5%          | 23.4%            |
| SAU802511     | YPS001766       | 19%      | 85.5%          | 79.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802518     | ABA105593       | 29%      | 50.8%          | 39.2%            |
| SAU802518     | BAN110972       | 45%      | 82.2%          | 91.6%            |
| SAU802518     | BAN100218       | 45%      | 93.4%          | 91.6%            |
| SAU802518     | BBU100645       | 26%      | 63.5%          | 35.5%            |
| SAU802518     | BCE107415       | 21%      | 88.8%          | 81.5%            |
| SAU802518     | BFU112947       | 22%      | 98.5%          | 92.7%            |
| SAU802518     | CTR100655       | 27%      | 58.4%          | 45.2%            |
| SAU802518     | CDF100729       | 25%      | 58.9%          | 39.1%            |
| SAU802518     | EFA201235       | 55%      | 93.4%          | 92%              |
| SAU802518     | EFM200131       | 42%      | 93.4%          | 91.5%            |
| SAU802518     | LPN100583       | 24%      | 74.1%          | 73.5%            |
| SAU802518     | LMO102230       | 42%      | 93.4%          | 92.1%            |
| SAU802518     | PAE200542       | 26%      | 82.7%          | 51.9%            |
| SAU802518     | PPU111804       | 30%      | 52.3%          | 52.8%            |
| SAU802518     | PSY105127       | 30%      | 80.2%          | 69.2%            |
| SAU802518     | SAU802518       | 100%     | 100%           | 100%             |
| SAU802518     | SHA101221       | 72%      | 86.3%          | 98.3%            |
| SAU802520     | BAN108403       | 43%      | 71.5%          | 100%             |
| SAU802520     | BAN112352       | 46%      | 91.7%          | 89.2%            |
| SAU802520     | BFR105372       | 33%      | 52.8%          | 70%              |
| SAU802520     | BPT102354       | 27%      | 75%            | 65.3%            |
| SAU802520     | BFU110972       | 30%      | 77.8%          | 66.5%            |
| SAU802520     | BMA102527       | 28%      | 51.4%          | 46.2%            |
| SAU802520     | CAC103017       | 25%      | 95.8%          | 90.3%            |
| SAU802520     | CDP101090       | 30%      | 79.2%          | 86.0%            |
| SAU802520     | EBC101510       | 27%      | 75.7%          | 63.1%            |
| SAU802520     | EFA201241       | 44%      | 97.9%          | 99.3%            |
| SAU802520     | EFM101277       | 27%      | 52.8%          | 49.7%            |
| SAU802520     | ECO102629       | 28%      | 75.7%          | 63.1%            |
| SAU802520     | KPN304419       | 27%      | 75.7%          | 63.1%            |
| SAU802520     | LMO100103       | 26%      | 79.9%          | 81.2%            |
| SAU802520     | MBV101633       | 28%      | 54.2%          | 48.5%            |
| SAU802520     | MLP101283       | 22%      | 69.4%          | 69.9%            |
| SAU802520     | MTU200734       | 28%      | 54.2%          | 48.5%            |
| SAU802520     | PRT102689       | 28%      | 77.8%          | 65.1%            |
| SAU802520     | STY102739       | 28%      | 75.7%          | 63.1%            |
| SAU802520     | STM103221       | 28%      | 75.7%          | 63.1%            |
| SAU802520     | SAU802520       | 100%     | 100%           | 100%             |
| SAU802520     | SHA100070       | 77%      | 100%           | 100%             |
| SAU802520     | SMU101475       | 31%      | 92.4%          | 89.3%            |
| SAU802520     | SPN401598       | 26%      | 82.6%          | 89.4%            |
| SAU802520     | SPY201508       | 36%      | 90.3%          | 91.5%            |
| SAU802520     | YPS002793       | 28%      | 75.7%          | 65.3%            |
| SAU802522     | ABA102625       | 29%      | 25%            | 23.0%            |
| SAU802522     | BAN101372       | 31%      | 86.9%          | 84.3%            |
| SAU802522     | BAN110637       | 34%      | 86.9%          | 81.6%            |
| SAU802522     | BCE111951       | 27%      | 42.9%          | 36.2%            |
| SAU802522     | BFU108797       | 23%      | 79.1%          | 60.2%            |
| SAU802522     | EFA201248       | 39%      | 40.3%          | 94.0%            |
| SAU802522     | KPN303068       | 30%      | 46.6%          | 40.9%            |
| SAU802522     | LMO101465       | 38%      | 92.9%          | 90.7%            |
| SAU802522     | PRT103713       | 24%      | 42.9%          | 93.7%            |
| SAU802522     | PAE203501       | 28%      | 47.0%          | 60.2%            |
| SAU802522     | PPU109159       | 25%      | 43.7%          | 91.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802522     | SPA100901       | 26%      | 42.9%          | 94.6%            |
| SAU802522     | STM103633       | 26%      | 42.9%          | 94.6%            |
| SAU802522     | SAU802522       | 100%     | 100%           | 100%             |
| SAU802522     | SEP201068       | 61%      | 96.6%          | 97.7%            |
| SAU802522     | SHA100686       | 63%      | 77.6%          | 99.0%            |
| SAU802522     | SPN400066       | 34%      | 81.7%          | 77.1%            |
| SAU802522     | SPY201605       | 32%      | 89.2%          | 83.9%            |
| SAU802528     | BAN103721       | 26%      | 97.1%          | 97.6%            |
| SAU802528     | CAC100274       | 29%      | 89.3%          | 91.2%            |
| SAU802528     | CDP100640       | 26%      | 66.5%          | 50.2%            |
| SAU802528     | CDP101493       | 34%      | 36.9%          | 22.5%            |
| SAU802528     | CDP100638       | 26%      | 67.5%          | 41.2%            |
| SAU802528     | CDP101495       | 40%      | 36.4%          | 23.4%            |
| SAU802528     | CDP100684       | 31%      | 64.1%          | 45.0%            |
| SAU802528     | EFA202035       | 28%      | 70.4%          | 58.2%            |
| SAU802528     | EFM200204       | 23%      | 92.7%          | 57.4%            |
| SAU802528     | LMO101005       | 27%      | 88.3%          | 86.0%            |
| SAU802528     | SAU802528       | 100%     | 100%           | 100%             |
| SAU802528     | SEP201093       | 71%      | 99.5%          | 99.5%            |
| SAU802528     | SHA102510       | 79%      | 99.5%          | 99.5%            |
| SAU802528     | SMU100891       | 28%      | 59.7%          | 50.4%            |
| SAU802528     | SPN300435       | 33%      | 59.2%          | 43.1%            |
| SAU802528     | SPY200880       | 27%      | 88.8%          | 78.7%            |
| SAU802539     | BFR102568       | 31%      | 95.9%          | 95.7%            |
| SAU802539     | BCE113546       | 30%      | 96.2%          | 94.4%            |
| SAU802539     | BFU115336       | 32%      | 93.3%          | 87.7%            |
| SAU802539     | BFU112943       | 33%      | 93.3%          | 93.3%            |
| SAU802539     | BMA108339       | 31%      | 96.4%          | 97.2%            |
| SAU802539     | CDP100580       | 30%      | 95.0%          | 95.2%            |
| SAU802539     | EBC102312       | 33%      | 94.6%          | 96.1%            |
| SAU802539     | EFM100662       | 36%      | 91.2%          | 100%             |
| SAU802539     | ECO100847       | 33%      | 94.6%          | 95.5%            |
| SAU802539     | KPN301806       | 33%      | 94.6%          | 95.5%            |
| SAU802539     | LMO100148       | 57%      | 100%           | 100%             |
| SAU802539     | MAV104239       | 33%      | 92.9%          | 92.8%            |
| SAU802539     | PRT102417       | 31%      | 98.1%          | 98.8%            |
| SAU802539     | PAE202106       | 34%      | 93.1%          | 94.1%            |
| SAU802539     | PSY105421       | 30%      | 94.6%          | 95.6%            |
| SAU802539     | STY102871       | 32%      | 94.6%          | 95.5%            |
| SAU802539     | SAU802539       | 100%     | 100%           | 100%             |
| SAU802539     | SEP201171       | 84%      | 100%           | 100%             |
| SAU802539     | SHA102199       | 81%      | 100%           | 100%             |
| SAU802539     | SPN400642       | 31%      | 97.9%          | 96.6%            |
| SAU802539     | YPS001186       | 32%      | 94.6%          | 95.5%            |
| SAU802545     | BBU100684       | 34%      | 91.8%          | 87.9%            |
| SAU802545     | BCE107302       | 50%      | 37.9%          | 82.1%            |
| SAU802545     | BMA103982       | 27%      | 23.1%          | 54.0%            |
| SAU802545     | EFM100738       | 56%      | 37.6%          | 100%             |
| SAU802545     | LPN103488       | 35%      | 99.1%          | 96.8%            |
| SAU802545     | LMO100989       | 41%      | 100%           | 99.8%            |
| SAU802545     | PAE110993       | 24%      | 48.9%          | 30.6%            |
| SAU802545     | SAU802545       | 100%     | 100%           | 100%             |
| SAU802545     | SEP201177       | 81%      | 99.8%          | 99.8%            |
| SAU802545     | SHA101318       | 82%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802545     | SMU100946       | 44%      | 96.5%          | 99.8%            |
| SAU802545     | SPN401568       | 42%      | 97.9%          | 98.1%            |
| SAU802545     | SPY200655       | 43%      | 96.7%          | 96%              |
| SAU802547     | ABA105572       | 39%      | 90.8%          | 97.5%            |
| SAU802547     | BAN101922       | 36%      | 76.3%          | 90.4%            |
| SAU802547     | BAN104869       | 42%      | 90.8%          | 98%              |
| SAU802547     | BFR100765       | 43%      | 71.1%          | 68.0%            |
| SAU802547     | BPT103019       | 37%      | 86.7%          | 77.9%            |
| SAU802547     | BCE103848       | 40%      | 89.6%          | 88.7%            |
| SAU802547     | BFU110234       | 38%      | 86.7%          | 64.2%            |
| SAU802547     | BMA101458       | 44%      | 26.0%          | 71.4%            |
| SAU802547     | BMA108546       | 39%      | 60.7%          | 27.5%            |
| SAU802547     | CJU100775       | 36%      | 91.9%          | 98.7%            |
| SAU802547     | CPN200150       | 30%      | 64.7%          | 60.7%            |
| SAU802547     | CTR200751       | 26%      | 48.0%          | 43.9%            |
| SAU802547     | CAC103117       | 37%      | 88.4%          | 92.9%            |
| SAU802547     | CBO100820       | 33%      | 87.3%          | 92.3%            |
| SAU802547     | CDF100241       | 49%      | 97.1%          | 97.2%            |
| SAU802547     | CDP100500       | 32%      | 69.9%          | 83.7%            |
| SAU802547     | EBC100683       | 45%      | 60.7%          | 60.1%            |
| SAU802547     | EFA201894       | 37%      | 65.9%          | 65.0%            |
| SAU802547     | EFM201553       | 37%      | 87.3%          | 96.7%            |
| SAU802547     | ECO101306       | 43%      | 60.7%          | 59.1%            |
| SAU802547     | HIN100382       | 46%      | 98.8%          | 87.9%            |
| SAU802547     | HPY100668       | 37%      | 90.2%          | 88.1%            |
| SAU802547     | KPN302255       | 39%      | 74.6%          | 36.6%            |
| SAU802547     | LPN100954       | 37%      | 88.4%          | 92.3%            |
| SAU802547     | LMO102205       | 33%      | 90.8%          | 46.6%            |
| SAU802547     | MCA101470       | 41%      | 65.9%          | 55.8%            |
| SAU802547     | MAV102898       | 41%      | 90.8%          | 92.1%            |
| SAU802547     | MBV100407       | 44%      | 86.7%          | 88.5%            |
| SAU802547     | MLP100717       | 44%      | 86.7%          | 88.5%            |
| SAU802547     | MTU201299       | 44%      | 86.7%          | 88.5%            |
| SAU802547     | NGO100306       | 42%      | 61.8%          | 35.3%            |
| SAU802547     | NME201587       | 41%      | 61.8%          | 35.3%            |
| SAU802547     | PMU101068       | 44%      | 98.3%          | 95.6%            |
| SAU802547     | PRT106182       | 32%      | 93.1%          | 99.4%            |
| SAU802547     | PAE200994       | 36%      | 86.7%          | 86.7%            |
| SAU802547     | PPU110616       | 38%      | 86.1%          | 89.2%            |
| SAU802547     | PSY102798       | 40%      | 54.9%          | 40.5%            |
| SAU802547     | SPA102006       | 41%      | 59.0%          | 57.3%            |
| SAU802547     | STY103674       | 42%      | 59.0%          | 57.3%            |
| SAU802547     | STM100933       | 42%      | 59.0%          | 57.3%            |
| SAU802547     | SAU802547       | 100%     | 100%           | 100%             |
| SAU802547     | SEP201179       | 60%      | 98.8%          | 99.4%            |
| SAU802547     | SHA101314       | 58%      | 100%           | 100%             |
| SAU802547     | SMU101210       | 42%      | 93.1%          | 98.2%            |
| SAU802547     | SPN401316       | 40%      | 97.1%          | 96.0%            |
| SAU802547     | TPA100140       | 36%      | 57.8%          | 53.7%            |
| SAU802547     | VCH103735       | 40%      | 90.8%          | 98.1%            |
| SAU802547     | YPS001868       | 43%      | 59.0%          | 57.0%            |
| SAU802548     | SPA102343       | 38%      | 93.6%          | 82.7%            |
| SAU802548     | STM102687       | 38%      | 93.6%          | 80.2%            |
| SAU802548     | SAU802548       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802548     | SMU100972       | 64%      | 98.6%          | 98.1%            |
| SAU802548     | SPN400307       | 62%      | 100%           | 99.9%            |
| SAU802548     | SPY200663       | 63%      | 98.6%          | 97.9%            |
| SAU802555     | ABA106035       | 32%      | 54.3%          | 54.2%            |
| SAU802555     | BAN106994       | 48%      | 40.7%          | 95.3%            |
| SAU802555     | BFR11792        | 51%      | 93.5%          | 95.4%            |
| SAU802555     | BCE103747       | 41%      | 82.4%          | 88.6%            |
| SAU802555     | BFU112906       | 30%      | 53.8%          | 51.9%            |
| SAU802555     | CJU100202       | 33%      | 45.7%          | 40.7%            |
| SAU802555     | CPN200095       | 27%      | 50.3%          | 30.8%            |
| SAU802555     | CTR200807       | 31%      | 50.3%          | 30.7%            |
| SAU802555     | CAC101718       | 48%      | 94.0%          | 91.2%            |
| SAU802555     | CBO101588       | 44%      | 94.0%          | 84.5%            |
| SAU802555     | CDF103080       | 40%      | 92.0%          | 98.9%            |
| SAU802555     | CDF103398       | 47%      | 93.0%          | 99.5%            |
| SAU802555     | CDP101537       | 45%      | 65.3%          | 92.3%            |
| SAU802555     | EBC103982       | 40%      | 91.5%          | 98.4%            |
| SAU802555     | EFA204780       | 39%      | 99.5%          | 69.8%            |
| SAU802555     | EFM202301       | 33%      | 84.4%          | 95.8%            |
| SAU802555     | ECO100334       | 42%      | 93.5%          | 91.1%            |
| SAU802555     | KPN303887       | 40%      | 91.5%          | 95.7%            |
| SAU802555     | LMO101588       | 39%      | 92.5%          | 96.8%            |
| SAU802555     | MAV101369       | 34%      | 56.3%          | 42.5%            |
| SAU802555     | MBV105847       | 36%      | 56.3%          | 30.7%            |
| SAU802555     | MLP101056       | 34%      | 55.8%          | 43.7%            |
| SAU802555     | MTU202994       | 36%      | 56.3%          | 36%              |
| SAU802555     | NGO101296       | 43%      | 54.3%          | 62.2%            |
| SAU802555     | NME200459       | 42%      | 54.3%          | 62.9%            |
| SAU802555     | PMU101056       | 44%      | 92.5%          | 90.6%            |
| SAU802555     | PPU102678       | 38%      | 87.4%          | 96.1%            |
| SAU802555     | PSY104038       | 36%      | 56.3%          | 31.0%            |
| SAU802555     | SPA100218       | 40%      | 91.5%          | 98.4%            |
| SAU802555     | STY100785       | 40%      | 91.5%          | 98.4%            |
| SAU802555     | SAU802555       | 100%     | 100%           | 100%             |
| SAU802555     | SHA101210       | 67%      | 95.0%          | 99.0%            |
| SAU802555     | SPN300070       | 41%      | 92.0%          | 97.3%            |
| SAU802555     | SPY200807       | 56%      | 93.5%          | 98.9%            |
| SAU802555     | VCH103556       | 34%      | 97.0%          | 97.9%            |
| SAU802557     | ABA101879       | 45%      | 97.9%          | 97.7%            |
| SAU802557     | BAN105978       | 59%      | 60.2%          | 99.8%            |
| SAU802557     | BAN110321       | 61%      | 70.9%          | 100%             |
| SAU802557     | BFR10291        | 40%      | 0.9%           | 8.6%             |
| SAU802557     | BPT102136       | 43%      | 4.2%           | 12.6%            |
| SAU802557     | BCE110602       | 45%      | 75.2%          | 97.9%            |
| SAU802557     | BFU101728       | 44%      | 90.5%          | 96.7%            |
| SAU802557     | BMA106854       | 46%      | 74.8%          | 73.3%            |
| SAU802557     | CJU101080       | 31%      | 93.1%          | 92.9%            |
| SAU802557     | CPN200982       | 31%      | 82.0%          | 93.6%            |
| SAU802557     | CTR200100       | 30%      | 82.0%          | 97.0%            |
| SAU802557     | CAC100879       | 48%      | 17.1%          | 8.6%             |
| SAU802557     | CBO102754       | 47%      | 16.6%          | 8.1%             |
| SAU802557     | CDF102644       | 49%      | 98.3%          | 98.6%            |
| SAU802557     | CDP100778       | 43%      | 0.4%           | 9.2%             |
| SAU802557     | EBC104530       | 46%      | 78.9%          | 95.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802557     | EFA201855       | 49%      | 8.1%           | 16.4%            |
| SAU802557     | EFM201092       | 51%      | 1.4%           | 7.8%             |
| SAU802557     | ECO100475       | 38%      | 99.5%          | 99.9%            |
| SAU802557     | HIN100276       | 37%      | 0.4%           | 9.3%             |
| SAU802557     | HPY101055       | 37%      | 1.5%           | 7.8%             |
| SAU802557     | KPN308679       | 39%      | 97.3%          | 100%             |
| SAU802557     | LPN101141       | 45%      | 78.9%          | 88.6%            |
| SAU802557     | LPN101253       | 45%      | 78.9%          | 88.3%            |
| SAU802557     | LMO100878       | 51%      | 1.1%           | 8.3%             |
| SAU802557     | MCA100406       | 38%      | 0.9%           | 8.6%             |
| SAU802557     | MAV100988       | 33%      | 88.0%          | 95.4%            |
| SAU802557     | MBV103852       | 51%      | 75.7%          | 76.1%            |
| SAU802557     | MLP101210       | 43%      | 79.9%          | 84.5%            |
| SAU802557     | MTU200960       | 51%      | 75.7%          | 78.3%            |
| SAU802557     | MGE100073       | 25%      | 62.8%          | 66.7%            |
| SAU802557     | MPN100622       | 25%      | 67.5%          | 69.6%            |
| SAU802557     | NGO100160       | 39%      | 0.2%           | 9.7%             |
| SAU802557     | NME201398       | 39%      | 0.2%           | 9.7%             |
| SAU802557     | PMU101892       | 39%      | 0.7%           | 8.8%             |
| SAU802557     | PRT105848       | 44%      | 99.0%          | 98.6%            |
| SAU802557     | PAE203917       | 43%      | 98.9%          | 99.5%            |
| SAU802557     | PPU108258       | 44%      | 7.9%           | 16.1%            |
| SAU802557     | PSY102170       | 44%      | 0.1%           | 9.1%             |
| SAU802557     | SPA101217       | 38%      | 89.3%          | 100%             |
| SAU802557     | STY100871       | 38%      | 99.5%          | 99.9%            |
| SAU802557     | STM104228       | 45%      | 0.7%           | 8.0%             |
| SAU802557     | SAU802557       | 100%     | 100%           | 100%             |
| SAU802557     | SEP201193       | 73%      | 99.1%          | 100%             |
| SAU802557     | SHA100292       | 69%      | 76.4%          | 100%             |
| SAU802557     | SMU100795       | 45%      | 1.0%           | 8.4%             |
| SAU802557     | SPN400641       | 45%      | 81.2%          | 86.5%            |
| SAU802557     | SPY201317       | 43%      | 1.4%           | 8.0%             |
| SAU802557     | TPA101026       | 35%      | 89.9%          | 99.2%            |
| SAU802557     | UUR100203       | 31%      | 80.2%          | 94.5%            |
| SAU802557     | VCH102181       | 42%      | 5.2%           | 5.5%             |
| SAU802557     | YPS001578       | 40%      | 8.4%           | 17.0%            |
| SAU802558     | BAN109810       | 45%      | 83.8%          | 98.3%            |
| SAU802558     | BFU109224       | 40%      | 88.2%          | 72.2%            |
| SAU802558     | EBC100081       | 41%      | 88.2%          | 75%              |
| SAU802558     | EFM202554       | 38%      | 86.8%          | 85.5%            |
| SAU802558     | HIN100277       | 42%      | 89.7%          | 88.2%            |
| SAU802558     | HIN100278       | 42%      | 89.7%          | 88.2%            |
| SAU802558     | HPY101056       | 32%      | 89.7%          | 90.9%            |
| SAU802558     | KPN304604       | 38%      | 88.2%          | 65.9%            |
| SAU802558     | LMO102528       | 41%      | 98.5%          | 98.5%            |
| SAU802558     | MCA101196       | 42%      | 97.1%          | 94.3%            |
| SAU802558     | MAV101708       | 32%      | 89.7%          | 85.7%            |
| SAU802558     | NGO102035       | 40%      | 97.1%          | 94.3%            |
| SAU802558     | PMU101891       | 47%      | 98.5%          | 95.7%            |
| SAU802558     | PPU102427       | 41%      | 91.2%          | 90.8%            |
| SAU802558     | PSY107623       | 37%      | 91.2%          | 90.8%            |
| SAU802558     | SPA101034       | 40%      | 63.2%          | 59.5%            |
| SAU802558     | SAU802558       | 100%     | 100%           | 100%             |
| SAU802558     | SEP201194       | 61%      | 98.5%          | 94.4%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802558     | SHA101777       | 62%      | 98.5%          | 98.5%            |
| SAU802558     | UUR100202       | 24%      | 95.6%          | 86.5%            |
| SAU802564     | BAN107558       | 26%      | 29.2%          | 33.1%            |
| SAU802564     | BAN112682       | 21%      | 44.5%          | 43.9%            |
| SAU802564     | BAN101794       | 21%      | 44.5%          | 44.1%            |
| SAU802564     | BMA102467       | 36%      | 8.9%           | 44.4%            |
| SAU802564     | LMO100571       | 26%      | 99.2%          | 98.6%            |
| SAU802564     | PAE200420       | 24%      | 54.3%          | 48.0%            |
| SAU802564     | SAU802564       | 100%     | 100%           | 100%             |
| SAU802564     | SHA101771       | 69%      | 99.0%          | 98.0%            |
| SAU802565     | SAU802565       | 100%     | 100%           | 100%             |
| SAU802565     | SHA103208       | 47%      | 41.2%          | 88.3%            |
| SAU802567     | BFU100798       | 25%      | 57.2%          | 94.4%            |
| SAU802567     | BMA109603       | 32%      | 58.2%          | 48.1%            |
| SAU802567     | CTR200330       | 25%      | 16.3%          | 20.0%            |
| SAU802567     | EFM201158       | 21%      | 29.5%          | 65.2%            |
| SAU802567     | ECO203243       | 27%      | 18.4%          | 30.2%            |
| SAU802567     | HIN100372       | 29%      | 36.5%          | 89.8%            |
| SAU802567     | KPN206582       | 24%      | 60.7%          | 96.5%            |
| SAU802567     | LPN100851       | 30%      | 13.9%          | 19.0%            |
| SAU802567     | LPN101642       | 31%      | 62.0%          | 53.8%            |
| SAU802567     | LMO102084       | 41%      | 96.7%          | 98.7%            |
| SAU802567     | MAV107021       | 31%      | 61.7%          | 94.2%            |
| SAU802567     | MBV105112       | 33%      | 57.9%          | 58.8%            |
| SAU802567     | MLP101575       | 34%      | 61.9%          | 59.2%            |
| SAU802567     | MTU200111       | 34%      | 61.9%          | 57.5%            |
| SAU802567     | NGO101829       | 27%      | 95.0%          | 96.1%            |
| SAU802567     | PRT104518       | 30%      | 57.7%          | 51.1%            |
| SAU802567     | PAE203155       | 33%      | 56.7%          | 51.4%            |
| SAU802567     | PPU103844       | 22%      | 57.4%          | 93.3%            |
| SAU802567     | SPA103154       | 31%      | 58.2%          | 53.0%            |
| SAU802567     | STY101087       | 30%      | 58.2%          | 53.0%            |
| SAU802567     | SAU802567       | 100%     | 100%           | 100%             |
| SAU802567     | SEP201198       | 64%      | 98.8%          | 99.2%            |
| SAU802567     | SMU101308       | 26%      | 95.5%          | 97.0%            |
| SAU802567     | SPN401865       | 26%      | 95.2%          | 97.2%            |
| SAU802567     | SPY200033       | 26%      | 95.2%          | 96.8%            |
| SAU802580     | BFR10064        | 24%      | 86.6%          | 86.0%            |
| SAU802580     | BPT100834       | 33%      | 82.1%          | 85.3%            |
| SAU802580     | BCE103008       | 24%      | 73.8%          | 70.3%            |
| SAU802580     | BFU100508       | 22%      | 69.6%          | 67.3%            |
| SAU802580     | BFU104873       | 25%      | 83.9%          | 70.6%            |
| SAU802580     | BFU103585       | 28%      | 82.4%          | 74.7%            |
| SAU802580     | BFU103576       | 29%      | 73.5%          | 67.0%            |
| SAU802580     | KPN302051       | 31%      | 76.5%          | 79.8%            |
| SAU802580     | LPN102617       | 32%      | 83.0%          | 82.9%            |
| SAU802580     | LMO102915       | 42%      | 98.8%          | 100%             |
| SAU802580     | MAV103755       | 39%      | 98.2%          | 99.4%            |
| SAU802580     | MBV100078       | 24%      | 71.4%          | 73.0%            |
| SAU802580     | MTU203462       | 24%      | 71.4%          | 73.0%            |
| SAU802580     | SAU802580       | 100%     | 100%           | 100%             |
| SAU802580     | SHA101214       | 73%      | 69.0%          | 100%             |
| SAU802581     | BAN101204       | 26%      | 48.9%          | 56.7%            |
| SAU802581     | BAN103460       | 27%      | 93.5%          | 90.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802581     | BFU105217       | 23%      | 43.8%          | 39.6%            |
| SAU802581     | BFU103369       | 23%      | 43.8%          | 39.5%            |
| SAU802581     | CDF100605       | 26%      | 57.2%          | 55.6%            |
| SAU802581     | CDF103586       | 25%      | 48.6%          | 52.0%            |
| SAU802581     | LMO101378       | 66%      | 100%           | 100%             |
| SAU802581     | MAV108594       | 30%      | 44.6%          | 39.1%            |
| SAU802581     | SAU802581       | 100%     | 100%           | 100%             |
| SAU802581     | SHA102890       | 70%      | 99.6%          | 99.6%            |
| SAU802581     | SMU100172       | 31%      | 46.7%          | 34.9%            |
| SAU802581     | TPA100942       | 26%      | 42.0%          | 33.3%            |
| SAU802585     | BAN105638       | 33%      | 58.2%          | 61.8%            |
| SAU802585     | BAN113350       | 30%      | 75.5%          | 87.8%            |
| SAU802585     | BAN112732       | 30%      | 75.5%          | 87.8%            |
| SAU802585     | CAC102695       | 34%      | 89.8%          | 66.4%            |
| SAU802585     | CAC101396       | 34%      | 89.8%          | 66.4%            |
| SAU802585     | SAU802585       | 100%     | 100%           | 100%             |
| SAU802585     | SEP200238       | 78%      | 100%           | 100%             |
| SAU802586     | CBO101009       | 37%      | 38.5%          | 3.6%             |
| SAU802586     | EFA102043       | 24%      | 80.3%          | 84.2%            |
| SAU802586     | SAU802586       | 100%     | 100%           | 100%             |
| SAU802587     | SAU802587       | 100%     | 100%           | 100%             |
| SAU802590     | SAU802590       | 100%     | 100%           | 100%             |
| SAU802590     | SEP201225       | 49%      | 93.4%          | 86.7%            |
| SAU802599     | ABA105729       | 42%      | 97.1%          | 100%             |
| SAU802599     | BAN109585       | 45%      | 96.7%          | 96.1%            |
| SAU802599     | BAN103122       | 55%      | 96.7%          | 95.3%            |
| SAU802599     | BFR101138       | 43%      | 94.9%          | 95.6%            |
| SAU802599     | BPT102100       | 38%      | 91.5%          | 89.9%            |
| SAU802599     | BCE108792       | 39%      | 94.9%          | 95.6%            |
| SAU802599     | BFU102636       | 39%      | 94.9%          | 95.6%            |
| SAU802599     | BMA109222       | 39%      | 94.9%          | 95.6%            |
| SAU802599     | CJU100267       | 47%      | 95.2%          | 94.9%            |
| SAU802599     | CAC102467       | 44%      | 97.8%          | 98.2%            |
| SAU802599     | CBO102096       | 47%      | 95.2%          | 95.3%            |
| SAU802599     | CDF100322       | 43%      | 94.9%          | 94.9%            |
| SAU802599     | CDP101560       | 40%      | 77.9%          | 100%             |
| SAU802599     | EBC103390       | 44%      | 94.9%          | 98.1%            |
| SAU802599     | EFA200426       | 50%      | 93.0%          | 93.1%            |
| SAU802599     | EFM200299       | 50%      | 93.0%          | 93.1%            |
| SAU802599     | ECO100134       | 44%      | 94.9%          | 98.1%            |
| SAU802599     | HPY101041       | 39%      | 93.0%          | 94.1%            |
| SAU802599     | KPN305802       | 45%      | 94.9%          | 98.1%            |
| SAU802599     | LMO101566       | 54%      | 92.3%          | 91.7%            |
| SAU802599     | MCA100866       | 39%      | 94.9%          | 93.9%            |
| SAU802599     | MAV103092       | 43%      | 92.3%          | 88.8%            |
| SAU802599     | MBV104454       | 44%      | 90.1%          | 87.9%            |
| SAU802599     | MLP100998       | 42%      | 92.3%          | 88.5%            |
| SAU802599     | MTU202191       | 44%      | 90.1%          | 87.9%            |
| SAU802599     | NGO101061       | 42%      | 95.6%          | 99.2%            |
| SAU802599     | NME201002       | 42%      | 95.6%          | 99.2%            |
| SAU802599     | PRT102516       | 42%      | 94.9%          | 98.1%            |
| SAU802599     | PAE204725       | 41%      | 94.9%          | 97.7%            |
| SAU802599     | PPU108442       | 41%      | 94.9%          | 92.9%            |
| SAU802599     | PSY105156       | 42%      | 94.9%          | 97.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802599     | SPA104023       | 39%      | 94.9%          | 97.7%            |
| SAU802599     | STY103388       | 43%      | 94.9%          | 97.7%            |
| SAU802599     | SAU802599       | 100%     | 100%           | 100%             |
| SAU802599     | SEP201249       | 75%      | 100%           | 100%             |
| SAU802599     | SHA101527       | 74%      | 100%           | 100%             |
| SAU802599     | VCH100581       | 40%      | 94.5%          | 97.7%            |
| SAU802599     | YPS000790       | 46%      | 95.2%          | 98.1%            |
| SAU802601     | EBC102039       | 34%      | 77.8%          | 87.6%            |
| SAU802601     | EFM100783       | 70%      | 20.5%          | 73.8%            |
| SAU802601     | KPN304221       | 32%      | 99.1%          | 89.6%            |
| SAU802601     | SAU802601       | 100%     | 100%           | 100%             |
| SAU802601     | SMU100354       | 42%      | 99.6%          | 99.2%            |
| SAU802601     | SPN401248       | 42%      | 98.3%          | 95.9%            |
| SAU802601     | SPY101115       | 40%      | 47.4%          | 92%              |
| SAU802601     | VCH101565       | 30%      | 98.3%          | 88.1%            |
| SAU802605     | BCE111163       | 23%      | 63.8%          | 65.2%            |
| SAU802605     | EFA202884       | 32%      | 42.8%          | 28.2%            |
| SAU802605     | SAU802605       | 100%     | 100%           | 100%             |
| SAU802605     | SEP201630       | 47%      | 97.8%          | 94.4%            |
| SAU802605     | SHA103206       | 40%      | 93.5%          | 91.5%            |
| SAU802605     | YPS004171       | 25%      | 52.9%          | 56.5%            |
| SAU802606     | LPN100635       | 28%      | 61.1%          | 53.0%            |
| SAU802606     | MAV102533       | 61%      | 98.6%          | 98.7%            |
| SAU802606     | STY101723       | 32%      | 15.5%          | 12.4%            |
| SAU802606     | SAU802606       | 100%     | 100%           | 100%             |
| SAU802606     | SEP201634       | 92%      | 100%           | 100%             |
| SAU802606     | SHA101827       | 93%      | 44.3%          | 100%             |
| SAU802610     | BAN105148       | 30%      | 61.9%          | 56.1%            |
| SAU802610     | BAN112430       | 33%      | 61.9%          | 54.5%            |
| SAU802610     | BFU101996       | 28%      | 51.0%          | 63.1%            |
| SAU802610     | CBO103389       | 30%      | 37.4%          | 54.9%            |
| SAU802610     | CDP101315       | 23%      | 55.8%          | 80.2%            |
| SAU802610     | LMO101650       | 18%      | 56.5%          | 49.1%            |
| SAU802610     | MAV100914       | 23%      | 46.9%          | 90.8%            |
| SAU802610     | MBV100112       | 23%      | 63.3%          | 88.6%            |
| SAU802610     | MLP101168       | 25%      | 53.7%          | 75.2%            |
| SAU802610     | MTU203540       | 23%      | 63.3%          | 88.6%            |
| SAU802610     | PRT104693       | 25%      | 53.7%          | 52.3%            |
| SAU802610     | SAU802610       | 100%     | 100%           | 100%             |
| SAU802610     | SEP203908       | 63%      | 99.3%          | 98.6%            |
| SAU802610     | SHA101334       | 65%      | 99.3%          | 93.6%            |
| SAU802612     | ABA105055       | 52%      | 95.8%          | 98.9%            |
| SAU802612     | BPT101787       | 34%      | 75.6%          | 97.9%            |
| SAU802612     | BCE100989       | 49%      | 86.5%          | 95.0%            |
| SAU802612     | BFU106253       | 51%      | 94.0%          | 95.0%            |
| SAU802612     | BMA100271       | 50%      | 95.8%          | 96.1%            |
| SAU802612     | CJU100383       | 29%      | 13.5%          | 13.8%            |
| SAU802612     | CDP100617       | 62%      | 96.3%          | 92.1%            |
| SAU802612     | EBC100717       | 53%      | 48.2%          | 94.8%            |
| SAU802612     | ECO100303       | 49%      | 95.4%          | 97.7%            |
| SAU802612     | KPN300102       | 52%      | 24.4%          | 100%             |
| SAU802612     | KPN304388       | 50%      | 96.0%          | 98.6%            |
| SAU802612     | MAV102913       | 33%      | 94.0%          | 99.4%            |
| SAU802612     | MBV105546       | 37%      | 93.0%          | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802612     | MTU201262       | 37%      | 93.0%          | 98.9%            |
| SAU802612     | PRT102375       | 50%      | 96.0%          | 98.4%            |
| SAU802612     | PAE205367       | 49%      | 96.5%          | 97.9%            |
| SAU802612     | PPU102034       | 51%      | 96.5%          | 97.2%            |
| SAU802612     | PSY102763       | 51%      | 96.0%          | 96.1%            |
| SAU802612     | SAU802612       | 100%     | 100%           | 100%             |
| SAU802612     | SEP201650       | 88%      | 99.6%          | 99.5%            |
| SAU802612     | SHA101538       | 89%      | 99.6%          | 99.5%            |
| SAU802612     | YPS002162       | 52%      | 96.0%          | 96.3%            |
| SAU802613     | ABA104044       | 41%      | 95.0%          | 95.9%            |
| SAU802613     | BAN108237       | 36%      | 95.8%          | 93.5%            |
| SAU802613     | BAN113091       | 41%      | 96.0%          | 97.3%            |
| SAU802613     | BAN112735       | 41%      | 96.8%          | 96.4%            |
| SAU802613     | BAN113417       | 44%      | 96.0%          | 95.5%            |
| SAU802613     | BFR103003       | 30%      | 23.8%          | 85.5%            |
| SAU802613     | BFU102984       | 38%      | 97.6%          | 98.4%            |
| SAU802613     | BFU103241       | 39%      | 97.4%          | 94.1%            |
| SAU802613     | BFU100165       | 42%      | 96.6%          | 98.8%            |
| SAU802613     | BMA103749       | 40%      | 96.0%          | 88.6%            |
| SAU802613     | CJU100455       | 34%      | 79.2%          | 99.5%            |
| SAU802613     | CAC103154       | 33%      | 96.0%          | 97.5%            |
| SAU802613     | CDP100607       | 51%      | 97.6%          | 94.3%            |
| SAU802613     | EBC101625       | 41%      | 95.6%          | 96.5%            |
| SAU802613     | ECO100304       | 41%      | 95.6%          | 96.5%            |
| SAU802613     | KPN304386       | 40%      | 95.6%          | 96.5%            |
| SAU802613     | LPN101129       | 47%      | 97.8%          | 99.2%            |
| SAU802613     | LMO102125       | 39%      | 96.6%          | 97.3%            |
| SAU802613     | MCA100475       | 37%      | 95.8%          | 94.2%            |
| SAU802613     | MAV101782       | 41%      | 94.8%          | 94.0%            |
| SAU802613     | MAV103466       | 41%      | 94.8%          | 93.0%            |
| SAU802613     | MLP101520       | 30%      | 90.3%          | 96.9%            |
| SAU802613     | NGO100472       | 36%      | 91.3%          | 91.4%            |
| SAU802613     | NME200446       | 36%      | 96.0%          | 98.5%            |
| SAU802613     | PPU109546       | 42%      | 95.4%          | 95.5%            |
| SAU802613     | PSY103463       | 41%      | 95.6%          | 96.5%            |
| SAU802613     | SPA103863       | 35%      | 95.4%          | 97.3%            |
| SAU802613     | STY103756       | 38%      | 95.0%          | 96.7%            |
| SAU802613     | SAU802613       | 100%     | 100%           | 100%             |
| SAU802613     | SEP201652       | 89%      | 100%           | 100%             |
| SAU802613     | SHA101537       | 87%      | 100%           | 100%             |
| SAU802613     | SMU101316       | 31%      | 91.3%          | 97.4%            |
| SAU802613     | SPY200809       | 30%      | 91.7%          | 96.1%            |
| SAU802613     | YPS002165       | 40%      | 95.6%          | 96.5%            |
| SAU802627     | BAN110806       | 44%      | 75.1%          | 96.9%            |
| SAU802627     | BAN110948       | 47%      | 98.9%          | 96.7%            |
| SAU802627     | BFR101036       | 31%      | 88.6%          | 94.0%            |
| SAU802627     | BCE114143       | 31%      | 88.6%          | 91.7%            |
| SAU802627     | BMA108016       | 31%      | 88.6%          | 75.0%            |
| SAU802627     | CAC102470       | 23%      | 36.5%          | 49.1%            |
| SAU802627     | EBC102822       | 37%      | 64.1%          | 75.4%            |
| SAU802627     | EFA202089       | 46%      | 97.0%          | 95.5%            |
| SAU802627     | ECO100375       | 36%      | 61.8%          | 69.0%            |
| SAU802627     | KPN304876       | 35%      | 72.4%          | 81.9%            |
| SAU802627     | PRT105117       | 33%      | 71.7%          | 78.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802627     | PAE203294       | 37%      | 59.9%          | 69.7%            |
| SAU802627     | SAU802627       | 100%     | 100%           | 100%             |
| SAU802627     | SEP201696       | 66%      | 99.8%          | 98.2%            |
| SAU802627     | SHA101994       | 63%      | 99.8%          | 97.8%            |
| SAU802627     | YPS001866       | 36%      | 60.3%          | 69.4%            |
| SAU802628     | ABA105164       | 19%      | 63.7%          | 55.6%            |
| SAU802628     | ABA104704       | 17%      | 73.2%          | 74.7%            |
| SAU802628     | BAN106975       | 45%      | 82.2%          | 83.1%            |
| SAU802628     | BAN103536       | 45%      | 82.2%          | 83.1%            |
| SAU802628     | BFU101239       | 26%      | 65.0%          | 77.4%            |
| SAU802628     | BFU102576       | 25%      | 65.6%          | 77.0%            |
| SAU802628     | BMA109935       | 22%      | 73.2%          | 86.5%            |
| SAU802628     | CBO101313       | 29%      | 70.1%          | 75.9%            |
| SAU802628     | EBC103824       | 20%      | 68.2%          | 66.7%            |
| SAU802628     | EFA202071       | 20%      | 73.2%          | 80%              |
| SAU802628     | KPN300786       | 37%      | 33.1%          | 69.1%            |
| SAU802628     | LMO101624       | 44%      | 86.6%          | 92.1%            |
| SAU802628     | MAV105204       | 24%      | 70.1%          | 69.9%            |
| SAU802628     | PAE201652       | 36%      | 80.3%          | 82.3%            |
| SAU802628     | SPA102320       | 28%      | 59.2%          | 67.1%            |
| SAU802628     | STY100589       | 28%      | 59.2%          | 68.1%            |
| SAU802628     | STM104051       | 29%      | 59.2%          | 67.1%            |
| SAU802628     | SAU802628       | 100%     | 100%           | 100%             |
| SAU802628     | SEP201738       | 74%      | 94.3%          | 100%             |
| SAU802628     | SHA101864       | 73%      | 94.9%          | 100%             |
| SAU802632     | BFR105563       | 27%      | 32.0%          | 27.9%            |
| SAU802632     | BFU113817       | 42%      | 95.7%          | 99.0%            |
| SAU802632     | CBO100615       | 47%      | 95.7%          | 94.2%            |
| SAU802632     | EFA202434       | 54%      | 92.2%          | 94.5%            |
| SAU802632     | EFM201460       | 51%      | 96.3%          | 98.4%            |
| SAU802632     | LPN102484       | 27%      | 35.1%          | 32.9%            |
| SAU802632     | LMO102628       | 51%      | 96.6%          | 99.0%            |
| SAU802632     | PMU101896       | 29%      | 35.1%          | 32.4%            |
| SAU802632     | PRT105732       | 38%      | 95.7%          | 98.3%            |
| SAU802632     | SPA100561       | 39%      | 95.3%          | 98.3%            |
| SAU802632     | STM100668       | 39%      | 95.3%          | 98.3%            |
| SAU802632     | SAU802632       | 100%     | 100%           | 100%             |
| SAU802632     | SMU101540       | 48%      | 96.3%          | 98.4%            |
| SAU802632     | SPN200887       | 49%      | 81.1%          | 98.5%            |
| SAU802632     | SPY201189       | 49%      | 96.3%          | 98.4%            |
| SAU802638     | BAN107918       | 24%      | 65.7%          | 61.7%            |
| SAU802638     | SAU802638       | 100%     | 100%           | 100%             |
| SAU802638     | SEP202299       | 24%      | 72%            | 72.5%            |
| SAU802638     | SEP202175       | 32%      | 84%            | 89.4%            |
| SAU802638     | SHA100151       | 47%      | 100%           | 100%             |
| SAU802641     | BBU100407       | 43%      | 98.9%          | 3.7%             |
| SAU802641     | CPN200703       | 33%      | 19.7%          | 81.0%            |
| SAU802641     | CAC101724       | 45%      | 70.9%          | 98.7%            |
| SAU802641     | CDF103357       | 38%      | 99.2%          | 98.0%            |
| SAU802641     | EFM200703       | 52%      | 99.8%          | 99.7%            |
| SAU802641     | KPN103840       | 44%      | 46.6%          | 94.5%            |
| SAU802641     | MCA101148       | 20%      | 33.4%          | 75.1%            |
| SAU802641     | PMU101795       | 40%      | 22.8%          | 71.4%            |
| SAU802641     | SPA101839       | 42%      | 72.2%          | 87.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802641     | SAU802641       | 100%     | 100%           | 100%             |
| SAU802641     | SEP201763       | 75%      | 100%           | 100%             |
| SAU802641     | VCH101790       | 30%      | 19.4%          | 84.9%            |
| SAU802641     | VCH101791       | 41%      | 5.4%           | 94.6%            |
| SAU802641     | VCH101792       | 40%      | 80.6%          | 5.2%             |
| SAU802641     | VCH101796       | 49%      | 99.5%          | 2.8%             |
| SAU802642     | BBU100406       | 35%      | 32.1%          | 26.6%            |
| SAU802642     | CAC102434       | 34%      | 98.7%          | 93.9%            |
| SAU802642     | CBO103509       | 30%      | 97.8%          | 92.9%            |
| SAU802642     | CDF100717       | 51%      | 98.7%          | 98.7%            |
| SAU802642     | CDP100913       | 29%      | 33.3%          | 28.0%            |
| SAU802642     | EFA201620       | 52%      | 99.4%          | 98.1%            |
| SAU802642     | EFM200644       | 52%      | 99.4%          | 98.4%            |
| SAU802642     | LMO100517       | 53%      | 99.4%          | 98.1%            |
| SAU802642     | MAV101383       | 33%      | 21.8%          | 17.4%            |
| SAU802642     | MBV104868       | 31%      | 22.4%          | 17.9%            |
| SAU802642     | MTU203212       | 31%      | 22.4%          | 17.9%            |
| SAU802642     | PMU100829       | 27%      | 30.8%          | 24%              |
| SAU802642     | SAU802642       | 100%     | 100%           | 100%             |
| SAU802642     | SEP201764       | 67%      | 99.0%          | 97.8%            |
| SAU802642     | SMU101180       | 54%      | 98.7%          | 97.5%            |
| SAU802642     | SPN400647       | 55%      | 99.0%          | 98.7%            |
| SAU802642     | SPY201392       | 53%      | 99.0%          | 97.5%            |
| SAU802642     | UUR100534       | 29%      | 26.6%          | 29.4%            |
| SAU802642     | VCH101797       | 33%      | 27.9%          | 23.7%            |
| SAU802642     | VCH100266       | 30%      | 28.2%          | 23.3%            |
| SAU802642     | YPS001750       | 27%      | 34.0%          | 28.1%            |
| SAU802643     | BAN103063       | 24%      | 97.3%          | 100%             |
| SAU802643     | BAN108458       | 30%      | 99.8%          | 99.8%            |
| SAU802643     | BFU109734       | 25%      | 33.9%          | 46.8%            |
| SAU802643     | CAC100500       | 26%      | 10.2%          | 46.0%            |
| SAU802643     | CBO100159       | 32%      | 0.5%           | 41.6%            |
| SAU802643     | CDF100068       | 36%      | 15.5%          | 91.1%            |
| SAU802643     | CDF103782       | 30%      | 0.4%           | 38.4%            |
| SAU802643     | CDP102624       | 20%      | 28.9%          | 62.2%            |
| SAU802643     | CDP101471       | 21%      | 95.0%          | 94.6%            |
| SAU802643     | CDP100399       | 22%      | 93.3%          | 90.2%            |
| SAU802643     | EFA200464       | 25%      | 99.8%          | 96.3%            |
| SAU802643     | EFM100294       | 34%      | 28.0%          | 94.6%            |
| SAU802643     | ECO103408       | 23%      | 16.5%          | 46.1%            |
| SAU802643     | HPY100285       | 27%      | 13.7%          | 4.5%             |
| SAU802643     | HPY100077       | 21%      | 7.4%           | 48.4%            |
| SAU802643     | HPY100225       | 22%      | 21.5%          | 45.8%            |
| SAU802643     | HPY101140       | 20%      | 62.3%          | 10.7%            |
| SAU802643     | HPY101226       | 22%      | 24.9%          | 32.5%            |
| SAU802643     | LMO102022       | 28%      | 99.8%          | 99.8%            |
| SAU802643     | MAV104113       | 21%      | 95.7%          | 94.0%            |
| SAU802643     | MLP101538       | 25%      | 17.0%          | 36.6%            |
| SAU802643     | PAE202571       | 19%      | 25.9%          | 45.6%            |
| SAU802643     | PSY103089       | 22%      | 24.1%          | 42.7%            |
| SAU802643     | SPA103375       | 26%      | 14.6%          | 21.8%            |
| SAU802643     | STY102351       | 21%      | 15.7%          | 44.6%            |
| SAU802643     | SAU802643       | 100%     | 100%           | 100%             |
| SAU802643     | SEP201765       | 66%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802643     | SHA101169       | 63%      | 100%           | 100%             |
| SAU802643     | SMU101323       | 23%      | 96.8%          | 98.3%            |
| SAU802643     | SPN402036       | 27%      | 13.3%          | 54.1%            |
| SAU802643     | SPY201662       | 22%      | 96.8%          | 98.7%            |
| SAU802643     | YPS002077       | 25%      | 11.2%          | 47.6%            |
| SAU802646     | CTR100723       | 23%      | 21.7%          | 29.7%            |
| SAU802646     | SAU802646       | 100%     | 100%           | 100%             |
| SAU802646     | SEP201767       | 36%      | 98.1%          | 98.8%            |
| SAU802646     | SHA101749       | 33%      | 98.6%          | 98.1%            |
| SAU802649     | SAU802649       | 100%     | 100%           | 100%             |
| SAU802649     | SEP201787       | 64%      | 99.0%          | 99.0%            |
| SAU802649     | SHA102155       | 65%      | 100%           | 100%             |
| SAU802649     | SPN301641       | 44%      | 98.7%          | 99.1%            |
| SAU802651     | BAN102391       | 24%      | 20.3%          | 12.4%            |
| SAU802651     | EFA200259       | 31%      | 14.2%          | 25.1%            |
| SAU802651     | MAV106301       | 34%      | 13.8%          | 24.6%            |
| SAU802651     | SAU802651       | 100%     | 100%           | 100%             |
| SAU802651     | SEP201789       | 54%      | 99.4%          | 100%             |
| SAU802651     | SHA102153       | 56%      | 98.3%          | 98.7%            |
| SAU802651     | SPN301643       | 39%      | 98.3%          | 99.4%            |
| SAU802651     | SPY100103       | 44%      | 24.7%          | 100%             |
| SAU802652     | EBC103319       | 28%      | 17.0%          | 42.8%            |
| SAU802652     | MBV100249       | 23%      | 37.1%          | 54.4%            |
| SAU802652     | MTU201429       | 23%      | 37.1%          | 54.4%            |
| SAU802652     | SAU802652       | 100%     | 100%           | 100%             |
| SAU802652     | SEP201795       | 43%      | 99.2%          | 99.0%            |
| SAU802652     | SHA102150       | 41%      | 100%           | 100%             |
| SAU802652     | SPN301644       | 29%      | 98.8%          | 98.5%            |
| SAU802652     | SPY100024       | 44%      | 14.3%          | 39.9%            |
| SAU802654     | ABA105043       | 16%      | 61.1%          | 92.9%            |
| SAU802654     | BAN110387       | 21%      | 11.0%          | 67.1%            |
| SAU802654     | BAN112878       | 20%      | 60.3%          | 43.8%            |
| SAU802654     | BAN100594       | 20%      | 3.7%           | 27.2%            |
| SAU802654     | BAN103564       | 19%      | 7.7%           | 57.2%            |
| SAU802654     | BAN103966       | 20%      | 13.9%          | 37.7%            |
| SAU802654     | BAN106993       | 18%      | 11.8%          | 94.8%            |
| SAU802654     | BAN112238       | 17%      | 72.5%          | 19.9%            |
| SAU802654     | BFR100872       | 28%      | 49.2%          | 38.4%            |
| SAU802654     | BPT103725       | 21%      | 30.9%          | 38.8%            |
| SAU802654     | BCE107896       | 17%      | 6.2%           | 97.0%            |
| SAU802654     | BCE112211       | 26%      | 61.3%          | 91.7%            |
| SAU802654     | BCE114917       | 29%      | 18.7%          | 92.8%            |
| SAU802654     | BFU110407       | 15%      | 4.4%           | 99.1%            |
| SAU802654     | BFU101138       | 18%      | 91.2%          | 16.1%            |
| SAU802654     | BMA107841       | 21%      | 18.3%          | 94.5%            |
| SAU802654     | CJU101583       | 20%      | 14.5%          | 69.2%            |
| SAU802654     | CJU100590       | 20%      | 7.0%           | 88.4%            |
| SAU802654     | CPN200209       | 18%      | 10.4%          | 74.5%            |
| SAU802654     | CTR200684       | 21%      | 25.9%          | 74.6%            |
| SAU802654     | CTR200685       | 20%      | 4.0%           | 83.8%            |
| SAU802654     | CAC100010       | 16%      | 13.0%          | 98.6%            |
| SAU802654     | CBO100803       | 19%      | 39.0%          | 50.1%            |
| SAU802654     | CDF103991       | 17%      | 26.3%          | 87.2%            |
| SAU802654     | CDF104259       | 16%      | 16.8%          | 96.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU802654     | CDF102976       | 19%      | 30.9%          | 59.2%            |
| SAU802654     | CDF100770       | 18%      | 19.3%          | 66.5%            |
| SAU802654     | CDF100757       | 21%      | 37.3%          | 47.0%            |
| SAU802654     | CDF103200       | 17%      | 16.6%          | 86.6%            |
| SAU802654     | CDF100494       | 18%      | 24.5%          | 63.5%            |
| SAU802654     | CDF102075       | 18%      | 59.8%          | 95.2%            |
| SAU802654     | CDF100184       | 27%      | 15.1%          | 91.5%            |
| SAU802654     | CDF104552       | 17%      | 17.5%          | 88.7%            |
| SAU802654     | CDP102193       | 22%      | 14.6%          | 99.4%            |
| SAU802654     | EBC100399       | 19%      | 25.1%          | 67.8%            |
| SAU802654     | EBC100820       | 20%      | 54.4%          | 83.4%            |
| SAU802654     | EBC100805       | 17%      | 22.1%          | 98.2%            |
| SAU802654     | EBC101205       | 18%      | 15.9%          | 99.2%            |
| SAU802654     | EFA203174       | 27%      | 4.7%           | 40.4%            |
| SAU802654     | EFM202396       | 19%      | 13.4%          | 62.3%            |
| SAU802654     | EFM200591       | 19%      | 26.6%          | 67.6%            |
| SAU802654     | ECO101518       | 28%      | 35.1%          | 42.5%            |
| SAU802654     | ECO101343       | 20%      | 32.9%          | 86.5%            |
| SAU802654     | HIN100971       | 18%      | 37.6%          | 21.1%            |
| SAU802654     | HPY100603       | 15%      | 15.5%          | 17.9%            |
| SAU802654     | HPY100313       | 18%      | 12.1%          | 36.5%            |
| SAU802654     | HPY100602       | 19%      | 25.3%          | 48.7%            |
| SAU802654     | HPY101160       | 17%      | 18.5%          | 63.3%            |
| SAU802654     | HPY101226       | 17%      | 22.9%          | 56.8%            |
| SAU802654     | HPY100897       | 22%      | 1.2%           | 47.6%            |
| SAU802654     | HPY100077       | 22%      | 16.2%          | 65.0%            |
| SAU802654     | HPY100906       | 17%      | 59.6%          | 75.7%            |
| SAU802654     | HPY101140       | 19%      | 21.4%          | 43.5%            |
| SAU802654     | HPY100285       | 18%      | 86.7%          | 16.1%            |
| SAU802654     | KPN305221       | 17%      | 5.0%           | 25.9%            |
| SAU802654     | LPN102929       | 17%      | 12.8%          | 64.8%            |
| SAU802654     | LPN100835       | 19%      | 32.7%          | 84.0%            |
| SAU802654     | LPN102554       | 19%      | 22.0%          | 95.2%            |
| SAU802654     | LPN101177       | 19%      | 53.0%          | 83.2%            |
| SAU802654     | MCA100348       | 17%      | 58.9%          | 94.1%            |
| SAU802654     | MAV107352       | 19%      | 33.2%          | 95.6%            |
| SAU802654     | MBV103437       | 18%      | 40.3%          | 83.1%            |
| SAU802654     | MLP100263       | 27%      | 32.9%          | 48.3%            |
| SAU802654     | MTU201527       | 19%      | 20.0%          | 52.7%            |
| SAU802654     | MGE100347       | 16%      | 17.3%          | 20.7%            |
| SAU802654     | MPN100397       | 17%      | 11.0%          | 72.4%            |
| SAU802654     | NGO101220       | 16%      | 21.5%          | 66.1%            |
| SAU802654     | NME200634       | 18%      | 43.8%          | 46.9%            |
| SAU802654     | PMU100714       | 16%      | 13.2%          | 85.6%            |
| SAU802654     | PRT105107       | 16%      | 10.7%          | 92.9%            |
| SAU802654     | PAE201873       | 17%      | 66.9%          | 93.2%            |
| SAU802654     | PPU104136       | 17%      | 35.4%          | 37.4%            |
| SAU802654     | PSY108622       | 16%      | 73.8%          | 22.1%            |
| SAU802654     | PSY106453       | 19%      | 50.7%          | 87.8%            |
| SAU802654     | SPA103107       | 19%      | 25.2%          | 98.9%            |
| SAU802654     | STY100387       | 19%      | 26.4%          | 91.8%            |
| SAU802654     | STM104147       | 19%      | 6.4%           | 97.4%            |
| SAU802654     | SAU802654       | 100%     | 100%           | 100%             |
| SAU802654     | SEP201799       | 54%      | 98.8%          | 71.4%            |